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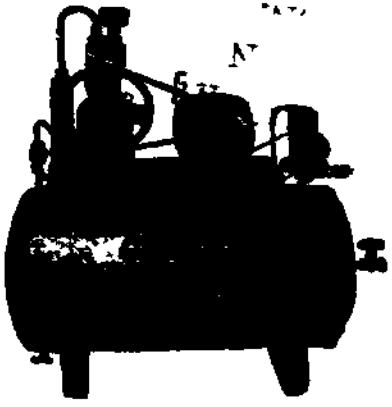

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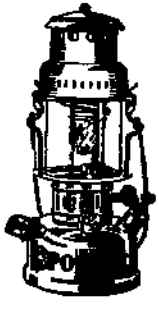

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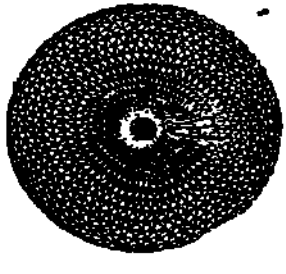

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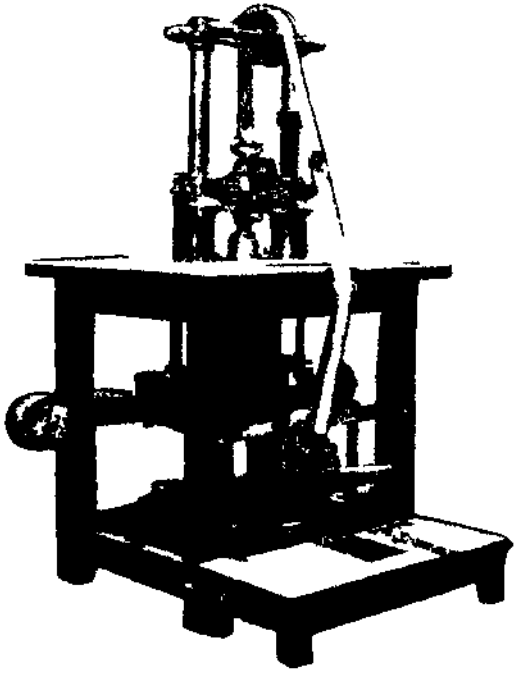

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Thur.	2	9	16	23	30	*	7	14	21	28	4	11	18	25	*
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Sat.	4	11	18	25	*	2	9	16	23	30	6	13	20	27	*

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It affords the publishers the highest pleasure to present the Eighth (1936) annual number of the INDUSTRY YEAR BOOK AND DIRECTORY.

Attempts have been made in this volume to record the industrial and commercial activities of this vast country and to unfold the huge potentialities of the internal trade centres which generally go neglected. With this end in view a mass of up-to-date informaton bearing on trade, commerce and markets have been gathered and presented in a convenient form to promote trade and industries.

The present edition is thoroughly revised and rewritten and many facts useful to traders and industrialists have been incorporated. The latest statistical figures regarding production of agricultural crops, minerals, important industrial articles and figures of import and export of various commodities in important markets have been included to render the volume a comprehensive book of reference to businessmen, journalists, statesmen and students of economics alike.

Among the new additions to the volume are: A summary of provisions under the Indian Mines Act, Bombay Cotton Control Act, Indian Coffee Cess Act, Reserve Bank of India Act, Sugar Production Rules, Bombay Weights and Measures Act, Madras Maternity Benefit Bill, etc. etc; explanation of terms used in connection with trade in sugar and tea; an abridged statement regarding tariff enquiries and reports issued by the Tariff Board; a brief account of Indo-Burma trade relations as will come into force after the separation of Burma from India and the working of the Ottawa Agreement; and a survey of the Iron and Steel Industry in India.

The Directory Section including the list of Fairs held from time to time all over India, the list of Newspapers and Periodicals of India and the prospectuses of Technical Institutions have also been thoroughly overhauled. Addresses of businessmen in Sind and Orissa have been put under respective headings.

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IMPORT SCHEDULE.

PRODUCTS OF THE ANIMAL KINGDOM

Milk, condensed or preserved, including milk cream—30 per cent ad valorem, U K 20 per cent ad valorem

PRODUCTS OF THE VEGETABLE KINGDOM.

Fruits & Vegetables, all sorts, fresh, dried, salted or preserved—30 per cent ad valorem, Br C 20 per cent ad valorem

Currants—Re 1 4 per cwt

Coffee, canned or bottled—30 per cent ad valorem, U K 20 per cent ad valorem, Br C 20 per cent ad valorem

Coffee, not otherwise specified—25 per cent ad valorem plus one anna per lb

Tea—Five annas per pound, Br C Three annas per pound

Cardamoms, cassia, cinnamon, cloves, nutmegs and pepper—Unground—45 per cent ad valorem, Br C 37½ per cent ad valorem, do ground—37½ per cent ad valorem

Chillies, ginger and mace—30 per cent ad valorem, Br C 22½ per cent ad valorem

Betelnuts—45 per cent ad valorem, Br, C 37½ per cent ad valorem

Vanilla beans—30 per cent ad valorem Br C 20 per cent ad valorem

Grain and Pulse, not otherwise specified—Free

Wheat—Rs 2 per cwt

Flour not otherwise specified—25 per cent ad valorem

Wheat flour—Re 1-8 per cwt

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Sago and Tapioca—30 per cent ad valorem Br C 20 per cent ad valorem

Starch and farina—15 per cent ad valorem

Oilseeds, non essential, all sorts not otherwise specified, including copra or coconut kernel—30 per cent ad valorem, Br C 20 per cent ad valorem

Dyeing and Tanning substances all sorts not otherwise specified—25 per cent ad valorem

Barks for tanning—Free

Cutch and Gambier all sorts—30 per cent ad valorem, Br C 20 per cent ad valorem

Gums, Resins and Lac all sorts not otherwise specified—25 per cent ad valorem

Gums Arabic, Benjamin (ras and cowrie) and Dammer (including unrefined batu) and rosin—30 per cent ad valorem, Br C 20 per cent ad valorem

Stick or Seed Lac—Free Cinchona bark—Free

Canes and Rattans—25 per cent ad valorem

FATTY SUBSTANCES, GREASES, WAX

All sorts of Stearine, wax grease and animal fat not otherwise specified—25 per cent ad valorem

Lard not canned or bottled—25 per cent ad valorem

Tallow—Free

Fish oil including whale oil not otherwise specified—30 per cent ad valorem U K 20 per cent ad valorem

Fish oil and whale oil hardened or hydrogenated—Rs 10 per cwt

Vegetable non essential oils, not otherwise specified—35 per cent ad valorem, U K 25 per cent ad valorem Br C 25 per cent ad valorem

Coconut oil and groundnut oil—35 per cent ad valorem Br C 25 per cent ad valorem

Linseed oil—25 per cent ad valorem

Animal oils, not otherwise specified—25 per cent ad valorem

FOOD, DRINK AND TOBACCO

Canned or bottled bacon ham and lard—25 per cent ad valorem

Fish, canned—30 per cent ad valorem, U K 20 per cent ad valorem, Br C 20 per cent ad valorem

Isinglass canned or bottled—25 per cent ad valorem

Sugar excluding confectionery—Rs 9 1 per cwt

Molasses—31¼ per cent ad valorem

Confectionery—50 per cent ad valorem, U K 40 per cent ad valorem

Sugar candy—Rs 10 8 per cwt

Cocoa and chocolate other than confectionery—30 per cent ad valorem, U K 20 per cent ad valorem

Biscuits, cakes, and farinaceous and patent foods, canned or bottled—25 per cent ad valorem

Vegetable products, jams, jellies pickles chutnies, sauces and condiments, canned or bottled—25 per cent ad valorem.

Fruits and Vegetables, canned or bottled—30 per cent ad valorem, U K 20 per cent ad valorem, Br C 20 per cent ad valorem Br C 20 per cent ad valorem

Canned or bottled provisions, not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem

Provisions and Oilman's Stores and Groceries, all sorts not otherwise specified—25 per cent ad valorem

All sorts of food not otherwise specified—25 per cent ad valorem

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All sorts of drink not otherwise specified—25 per cent ad valorem

Ale and beer In barrels or other containers containing 27 oz or more—Re. 1-2 per Imperial gallon, U K Fourteen annas per Imperial gallon

Champagne and other sparkling wines—Rs 13-2 per Imperial gallon

Other sorts—Rs 7-8 per Imperial gallon

Brandy, gin, whisky and other sorts of spirits not otherwise specified, including wines containing more than 42 per cent of proof spirit—Rs 37-8 per Imperial gallon of the strength of London proof

Liqueurs, cordials, mixtures and other preparations containing spirit not otherwise specified—Rs 50 per Imperial gallon if the strength is not to be tested and Rs 37-8 per Imp gall of the strength of London proof

Drugs and medicines containing spirit (i) entered in such a manner as to indicate that the strength is not to be tested—Rs 40 per Imperial gallon, U K Rs 36 per Imperial gallon, Br C. Rs 36 per Imperial gallon

(ii) do not so entered—Rs 29 per Imperial gallon of the strength of London proof, U K Rs 26 per Imperial gallon of the strength of London proof, Br C Rs 26 per Imperial gallon of the strength of London proof

Perfumes spirits—Rs 60 per Imperial gallon, U K Rs 52-8 per Imperial gallon

Denatured spirit—9 3/8 per cent ad valorem.

Vinegar in casks—2½ per cent ad valorem

Oilcakes—25 per cent ad valorem

Tobacco, manufactured, not otherwise specified—Rs 3 12 per lb

Cigars—Rs. 112½ per cent ad valorem

Cigarettes—25 per cent ad valorem and in addition either Rs 8/2/- per thousand or Rs 3/4/- per lb, whichever is higher

Tobacco, unmanufactured—Rs 3-4 per lb, Br C Rs 2-12 per lb

Tobacco leaf for the manufacture of cigars in cigar factories—Rs 2 per lb and Re 1-8 per lb (preferential).

MINERAL PRODUCTS.

China clay—Free

Salt—Rs 1—4 per md plus an additional duty of 2½ annas per md

Chalk, lime and clay—25 per cent ad valorem

Cement not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem

Portland cement excluding white Portland Cement—Rs 14 4 per ton, U K Rs 13-12 per ton

Stone prepared as for read metalling—Free

Metallic ores, all sorts except ochres and other pigment ores—Free

Coal, coke and patent fuel—Ten annas per ton

Asphalt—25 per cent ad valorem, Br C 15 per cent ad valorem

Pitch and Tar—25 per cent ad valorem

Kerosene oil—Three annas and nine pies per Imperial gallon

Motor Spirit—Ten annas per Imperial gallon

Mineral oil—12½ per cent ad valorem or Rs 15-10 per ton

Lubricating oil—Two annas and six pies per Imperial gallon, U K Six pies per Imperial gallon

CHEMICALS, SOAPS, CANDLES, ETC.

Chemicals, Drugs and Medicines, all sorts not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem, Br C: 20 per cent ad valorem

Bleaching Paste and bleaching powder—Free

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Copperas, green (ferrous sulphate)—25 per cent ad valorem, U K 15 per cent ad valorem

Magnesium chloride—Re 1-5 per cwt or 25 per cent ad valorem, whichever is higher

Alum (ammonia alum potash alum and soda alum)—25 per cent ad valorem or Re 1 6 per cwt whichever is higher

Magnesium sulphate or hydrated magnesium sulphate—25 per cent ad valorem or Re 1 4 per cwt whichever is higher

Cadmium sulphide cobalt oxide selenium uranium oxide and zinc oxide—25 per cent ad valorem, U K 15 per cent ad valorem

The following Chemicals, Drugs and Medicines, namely, acetic, carbolic citric and oxalic acids, naphthalene, potassium chlorate and potassium cyanide, bicarbonate of soda, borax, sodium silicate, arsenic, calcium carbide, glycerine, lead magnesium and zinc compounds not otherwise specified, aloes asafoetida, cocaine, sarsaparilla and storax—25 per cent ad valorem

Calcium acetate—Free

Radium salts—Free

Saccharine (except in tablets)—Rs 6 4 per lb

Saccharine tablets—18¾ per cent ad valorem or Rs 6 4 per pound of saccharine contents, whichever is higher

Alkaloids of Opium and their derivatives—Rs 30 per seer of 80 tolas or 18¾ per cent ad valorem, whichever is higher

Toilet Requisites not otherwise specified—30 per cent ad valorem U K 20 per cent ad valorem

Cinematograph Films not exposed—25 per cent ad valorem, U K 15 per cent ad valorem

Cinematograph Films, exposed—37½ per cent ad valorem

Dyes derived from coaltar and coaltar derivatives, used in any dyeing Process—10 per cent ad valorem

Paints, colours and printers' materials—20 to 30 per cent ad valorem

Plumbago and graphite—30 per cent ad valorem, Br C 20 per cent ad valorem

Printers' Ink—10 per cent ad valorem

Lead pencils—30 per cent ad valorem or one anna per dozen, whichever is higher U K 20 per cent ad valorm

Slate pencils—25 per cent ad valorem

Natural Essential Oils—25 to 30 per cent ad valorem U K 20 per cent ad valorem

Essential Oils synthetic—30 per cent ad valorem, U K, 20 per cent ad valorem

Camphor—50 per cent ad valorem

Soap, toilet—35 per cent ad valorem or Rs 20 per cwt whichever is higher U K 25 per cent ad valorem

Soap household and laundry (a) in plain bars of not less than one pound in weight—Rs 4 per cwt, (b) Other sorts—Rs 6/8 per cwt

Polishes and compositions—25 per cent ad valorem

Candles—25 per cent ad valorem

Glue, not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem

Glue clarified liquid—10 per cent ad valorem

Fireworks specially prepared as danger or distress lights for the use of ships—25 per cent ad valorem.

Matches—In boxes or booklets containing on an average not more than 40 matches Re 1 per gross of boxes or booklets plus ten annas per gross of boxes or booklets, In boxes or booklets containing

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on an average more than 40 but not more than 60 matches—Re 1/8 per gross of boxes or booklets plus fifteen annas per gross of boxes or booklets, In boxes or booklets containing on an average more than 60 but not more an 80 matches—Rs 2 per gross of boxes or booklets plus Re 1-4 per gross of boxes or booklets, All other matches—4 annas for every 1,440 matches or fraction thereof plus one pie for every 48 matches or fraction thereof.

Manures—Free

HIDES & SKINS, RUBBER, TIMBER, PAPER, ETC.

Hides and skins not otherwise specified—25 per cent ad valorem

Hides and skins, raw or salted—Free.

Skins (other than Fur Skins), tanned or dressed, and unwrought leather—30 per cent ad valorem, U K, 20 per cent ad valorem

Saddlery, harness, trunks and bags—25 per cent ad valorem

Leather cloth including artificial leather, and other manufactures of leather not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem

Fur Skins, dressed—30 per cent ad valorem, U K 20 per cent ad valorem.

Rubber, raw—Free

Rubber tyres and tubes and other manufactures of rubber—30 per cent ad valorem, U K 20 per cent ad valorem

Wood and Timber, all sorts, not otherwise specified, including all sorts of ornamental wood—25 per cent ad valorem

Furniture and cabinetware, not otherwise specified, excluding mouldings—30 per cent ad valorem; U K 20 per cent ad valorem

Tea chests and parts and fittings thereof—25 per cent ad valorem

Cork manufactures not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem.

Furniture of wickerwork or bamboo—30 per cent ad valorem, U. K: 20 per cent ad valorem.

Wood pulp—Rs 56-4 per ton

Paper, including chrome, marble, flint, poster and stereo printing paper, articles made of paper and papier mache, pasteboard, mill-board and cardboard, all sorts, other than strawboard—30 per cent ad valorem, U K 20 per cent ad valorem

Printing paper (excluding chrome, marble, flint, poster and stereo, all sorts which contain no mechanical wood pulp or in which the mechanical wood pulp amounts to less than 20 per cent of the fibre content—One anna and three pies per lb

Printing paper, all sorts not otherwise specified which contain mechanical wood pulp amounting to not less than 70 per cent of the fibre content, and strawboard, all sorts—25 per cent ad valorem

Writing paper (a) Ruled or printed forms (including letter paper with printed headings) and account and manuscript books and the binding thereof—One anna and three pies per lb or 18¾ per cent ad valorem, whichever is higher, (b) All other sorts—One anna and three pies per per lb.

Trade catalogues and advertising circulars imported by packet, book, or parcel post—Free.

Paper money—Free

Newspapers, old, in bales and bags—25 per cent ad valorem

Stationery including drawing and copy books, labels advertising circulars, sheet or card almanacs and calendars, Christmas, Easter and other cards, including cards in booklet forms, including also waste paper but excluding paper and stationery otherwise specified—30 per cent ad valorem.

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Books, maps, charts, and plans, manuscripts, and illustrations for binding in books—Free

Prints, Engravings and Pictures (including photographs and picture post cards) on paper or cardboard—50 per cent ad valorem

TEXTILE MATERIALS.

Silk, raw (excluding silk waste and noils), and silk cocoons—25 per cent ad valorem, plus 14 annas per lb

Silk waste and noils—25 per cent ad valorem

Wool, raw, and wool tops—Free.

Cotton, raw—Six pies per lb

Textile materials—Raw hemp—18¾ per cent ad valorem all others 25 per cent ad valorem

Silk Yarn including thrown silk warps but excluding sewing thread and yarn spun from silk waste or noils—30 per cent ad valorem

Artificial silk yarn and thread—25 per cent ad valorem or 3 annas per lb whichever is higher

Woollen yarn not otherwise specified—35 per cent ad valorem, U K 25 per cent ad valorem.

Woollen yarn for weaving and knitting wool—30 per cent ad valorem, U K: 20 per cent ad valorem.

Cotton twist and yarn, and cotton sewing or darning thread—(1) of British manufacture 5 per cent ad valorem, (2) not of British manufacture 6¼ per cent

Fabrics, not otherwise specified, containing more than 90 per cent of silk, including such fabrics embroidered with artificial silk, (a) Pongee and Chinese silk piecegoods—50 per cent ad valorem plus Re 1 per lb, (b) Fuji, Boseki and corded (excluding white cord)—50 per cent ad valorem plus Re 1/8/- per lb, (c) Paj all sorts —Exempt from so much of the duty as in excess of 75 per cent ad valorem (d) Other sorts—50 per cent ad valorem plus Rs 2/ per lb

Fabrics not otherwise specified containing more than 90 per cent of artificial silk—(a) of British manufacture—30 per cent ad valorem or 2½ annas per square yard, whichever is higher, (b) not of British manufacture—50 per cent ad valorem or 4 annas per square yard whichever is higher

Woollen fabrics, not otherwise specified containing more than 90 per cent of wool, excluding felt and fabrics made of shoddy or waste wool—35 per cent ad valorem or Re 1-2 per lb whichever is higher, U K 25 per cent ad valorem

Cotton fabrics not otherwise specified, containing more than 90 per cent of cotton—(a) Grey piece-goods (excluding bordered grey chadars, dhuties, saris and scarves)—(i) of British manufacture—25 per cent ad valorem or 4 3/8 annas per lb, whichever is higher, (ii) not of British manufacture—50 per cent ad valorem or 5¼ annas per lb, whichever is higher, (b) Cotton piece-goods and fabrics not otherwise specified—(i) of British manufacture—25 per cent ad valorem, (ii) not of British manufacture—50 per cent ad valorem

Fabrics, not otherwise specified, containing more than 10 per cent and not more than 90 per cent silk—(a) containing more than 50 per cent of silk or artificial silk or of both—50 per cent ad valorem plus Rs 2 per lb, (b) containing not more than 50 per cent of silk or artificial silk or of both—(i) containing more than 10 per cent artificial silk —50 per cent ad valorem or Re 1/8 per lb, whichever is higher, (ii) containing no artificial silk or not more than 10 per cent artificial silk—50 per cent ad valorem; woollen all over embroidered with artificial silk are exempt from so much of the duty as in excess of 35 per cent ad valorem or Re 1/2 per lb, whichever is higher (standard) and 25

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per cent ad valorem (preferential) woollen waste and rags—Exempt from payment of import duty

Fabrics, not otherwise specified, containing not more than 10 per cent silk but more than 10 per cent and not more than 90 per cent artificial silk—(a) containing 50 per cent or more cotton—(i) of British manufacture—30 per cent ad valorem or 2 annas per square yard, whichever is higher, (ii) not of British manufacture—50 per cent ad valorem or 3¼ annas per square yard, whichever is higher, (b) containing no cotton or containing less than 50 per cent cotton—(i) of British manufacture—30 per cent ad valorem or 2¼ annas per square yard, whichever is higher, (ii) not of British manufacture—50 per cent ad valorem or 4 annas per square yard, whichever is higher

Fabrics, not otherwise specified, containing no more than 10 per cent silk or 10 per cent artificial silk, but containing more than 10 per cent but not more than 90 per cent wool—35 per cent ad valorem, U K 25 per cent ad valorem

Fabrics, not otherwise specified, containing not more than 10 per cent silk or 10 per cent artificial silk or 10 per cent wool but containing more than 50 per cent cotton and not more than 90 per cent cotton—(a) of British manufacture—25 per cent ad valorem (b) not of British manufacture—50 per cent ad valorem

Fabrics, not otherwise specified, containing not more than 10 per cent silk or 10 per cent artificial silk or 10 per cent wool or 50 per cent cotton—25 per cent ad valorem

Sateens including Italians of Sateen weave velvets and velveteens and embroidered all overs—(a) of British manufacture—25 per cent ad valorem, (b) not of British manufacture—35 per cent ad valorem

Ribbons—50 per cent ad valorem, U K 40 per cent ad valorem

Blankets and rugs (other than floor rugs), excluding blankets and rugs made wholly or mainly from artificial silk—25 per cent ad valorem

Woollen carpets, floor rugs, shawls and other manufactures of wool not otherwise specified, including felt—35 per cent ad valorem U K 25 per cent ad valorem

Cotton hair and canvas ply belting for machinery—6¼ per cent ad valorem

Oil cloth and floor cloth—30 per cent ad valorem, U K 20 per cent ad valorem

Woollen hosiery and woollen knitted apparel, that is to say all hosiery and knitted apparel containing not less than 15 per cent of wool by weight—35 per cent ad valorem or Re 1-2 per lb whichever is higher, U K 25 per cent ad valorem

Cotton undervests, knitted or woven, and cotton socks or stockings—25 per cent ad valorem or 12 annas per lb, whichever is higher

Cotton knitted fabrics—50 per cent ad valorem or 12 annas per lb whichever is higher

Apparel, hosiery, haberdashery, millinery and drapery not otherwise specified—35 per cent ad valorem, U K 25 per cent ad valorem, Br C 25 per cent ad valorem

FOOTWEAR, HATS, UMBRELLAS, ETC.

Boots and Shoes composed mainly of leather—30 per cent ad valorem or six annas per pair, whichever is higher, U K 20 per cent ad valorem or 5 annas per pair, whichever is higher

Hats, caps, bonnets and hatters' ware, not otherwise specified—35 per cent ad valorem, U K 25 per cent ad valorem Br C 25 per cent ad valorem

Umbrellas—30 per cent ad valorem or eight annas each, whichever is higher; U K 20 per cent ad valorem

MANUFACTURE TOBACCO, SNUFF, SURTI, ZARDA, etc., Read "Indian Tobacco & Its Preparations" Re 1-8 Industry Book Dept. Cal.

STONE, CERAMIC & GLASSWARES.

Articles made of Stone or Marble—25 per cent ad valorem, U K 20 per cent ad valorem

Building and Engineering materials—30 per cent ad valorem, U K 20 per cent ad valorem

Earthenware pipes and sanitary ware—25 per cent ad valorem

Tiles of earthenware and porcelain—30 per cent ad valorem or two annas per square foot whichever is higher, U K 20 per cent ad valorem

Domestic Earthenware, china and porcelain—30 per cent ad valorem, U K 20 per cent ad valorem.

Covered crucibles for glass making—25 per cent ad valorem U K 15 per cent ad valorem

Glass and Glassware not otherwise specified, and lacquered ware—25 per cent ad valorem.

Globes for hurricane lanterns—25 per cent ad valorem or four annas and six pies per dozen, whichever is higher

Other globes and chimneys having an external base diameter of over one inch—25 per cent ad valorem or three annas per dozen, whichever is higher

Electric lighting bulbs—50 per cent ad valorem, U K 40 per cent ad valorem

Glass bangles, glass beads and false pearls—50 per cent ad valorem

Precious Stones unset and imported uncut, and Pearls unset—Free

PRECIOUS STONES

Precious Stones unset and imported cut—25 per cent ad valorem

Rubies imported cut and unset—Free

Silver bullion and silver sheets and plates which have undergone no process of manufacture subsequent to rolling—Five annas per ounce

Gold bullion and gold sheets and plates which have undergone no process of manufacture subsequent to rolling—Free

Silver plate and silver manufactures, all sorts not otherwise specified—50 per cent ad valorem

Silver thread and wire and silver leaf including also imitation gold and silver thread and wire lametta and metallic spangles—66⅔ per cent ad valorem

Gold plate, gold leaf and gold manufactures, all sorts not otherwise specified—50 per cent ad valorem

Gold or gold-plated pen nibs—50 per cent ad valorem, U K 40 per cent ad valorem

Jewellery and Jewels—50 per cent ad valorem

METALS AND METALWARES

Iron or Steel, old—15 5/8 per cent ad valorem

Iron alloys, viz, ferro manganese, ferro silicon, ferro chrome spiegeleisen and the like as commonly used for steel making—20 per cent ad valorem, U K 10 per cent ad valorem

Iron or steel angle, channel, tee, flat, beam, zed, trough and piling—(a) not fabricated of British manufacture—Rs 51/3 per ton or 10 per cent ad valorem, whichever is higher, not of British Manufacture—Rs 48 1/3 per ton (b) Fabricated Rs 46 per ton

Iron or steel bar and rod—(i) of British manufacture—Rs 15 per ton or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs 44 1/3 per ton or 20 per cent ad valorem whichever is higher

Iron, pig—20 per cent ad valorem, U K 10 per cent ad valorem

Cast iron pipes and tubes, also cast iron fittings therefor, that is to say, bends, boots, elbows, tees, sockets flanges, plugs, valves, cocks and

MANUFACTURE SOAP ? READ "MANUFACTURE OF SOAP."
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

the like—(i) of British manufacture—10 per cent ad valorem, (ii) not of British manufacture—Rs 57-8 per ton

Cast iron plates—20 per cent ad valorem, U K 10 per cent ad valorem

Steel Ingots Iron or steel blooms, billets and slabs, provided that no piece less than 1½ inches square or thick shall be included—Rs 4 per ton or 20 per cent ad valorem whichever is higher, U K Rs 4 per ton or 10 per cent ad valorem whichever is higher

Iron or steel Structures, fabricated partially or wholly, not otherwise specified—Rs 46 per ton

Steel, tinplates and tinned sheets, including tin taggers, and cuttings of such plates, sheets or taggers—(i) of British manufacture—Rs 44 per ton, (ii) not of British manufacture—Rs 65 per ton

Iron or Steel bolts and nuts, including hook-bolts and nuts for roofing but excluding fish bolts and nuts—(i) of British manufacture—Rs 6 per ton or 10 per cent ad valorem whichever is higher and exempt from so much of the duty as in excess of Rs 37/4 per ton, (ii) not of British manufacture—Rs 37/4 per ton

Iron or Steel fish bolts and nuts—(i) of British manufacture—Rs 6 per ton or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs 92/4 per ton

Iron or Steel expanded metal—20 per cent ad valorem, U K 10 per cent ad valorem

Iron or Steel hoops and strips—20 per cent ad valorem, U K 10 per cent ad valorem

Iron or Steel rivets—(i) of British manufacture—Rs 6 per ton or 10 per cent ad valorem, whichever is higher and exempt from so much of the duty as in excess of Rs 43/8, (ii) not of British manufacture—Rs 6 per ton plus Re 1/14 per cwt

Iron or Steel nails and washers, all sorts not otherwise specified—20 per cent ad valorem, U K 10 per cent ad valorem

Iron or Steel pipes and tubes and fittings therefor, if riveted or otherwise built up of plates or sheets (i) of British manufacture—Rs 18 per ton, or 10 per cent ad valorem, whichever is higher (ii) not of British manufacture—Rs 41 per ton

Iron or Steel pipes and tubes, also fittings therefor, that is to say, bends, boots, elbows, tees, sockets, flanges, plugs, valves, cocks and the like, excluding pipes, tubes and fittings therefor otherwise specified —20 per cent ad valorem, U K 10 per cent ad valorem.

Iron or Steel plates excluding cast iron plates (a) not fabricated (i) of British manufacture—Rs 5-1/3 per ton or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs 30 1/3 per ton, (b) fabricated (i) of British manufacture—Rs 6 per ton

Iron or Steel sheets not fabricated (1) not galvanized (i) of British manufacture—Rs 16-1/3 per ton, or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs 27-1/3 per ton, (2) galvanized (i) of British manufacture—Rs 15-1/3 per ton or 10 per cent ad valorem whichever is higher, (ii) not of British manufacture—Rs 45-1/3 per ton

Iron and Steel sheets fabricated (1) not galvanized (i) of British manufacture—Rs 18 per ton or 10 per ad valorem, whichever is higher, (ii) not of British manufacture—Rs 41 per ton, (2) Galvanized (i) of British manufacture—Rs 17/- per ton or 10 per cent ad valorem, whichever is higher, (ii) not of British manufacture Rs 50 per ton

Iron or Steel Rails (a) 30 lbs per yard and over, and fishplates therefor (i) of British manufacture—Rs 5/1/3 per ton or 10 per cent ad valorem, whichever is higher, (ii) not of British manufacture—

Poultry Farming: A handbook on Poultry Farming and Duck Breeding. Price As. 4. INDUSTRY BOOK DEPT, Shambazar, Calcutta

Rs. 5-1/3 per ton or 20 per cent ad valorem, whichever is higher; (b) under 30 lbs. per yard and fish-plates therefor (i) of British manufacture —Rs. 15-1/3 per ton; or 10 per cent ad valorem, whichever is higher: (ii) not of British manufacture Rs 44⅓ per ton.

Switches and Crossings for rails 30 lbs. per yd. or over (1) of British manufacture—Rs. 6/- per ton or 10 p.c. ad valorem, whichever is higher; (2) not of British manufacture—Rs. 6/- per ton or 20 per cent ad valorem whichever is higher.

Switches and Crossings for rails under 30 lbs. per yd—(1) of British manufacture—Rs. 17 per ton; (2) not of British manufacture Rs 49 per

Sleepers—Rs. 5⅓ per ton.

Spikes (other than Dog Spikes)—(1) of British manufacture—Rs. 15⅓ per ton or 10 p c. ad valorem; (2) not of British manufacture—Rs 44⅓ per ton. Dogspikes (i) of British manufacture—Rs 6 per ton plus 7 annas per cwt.; or 10 per cent ad valorem, whichever is higher; (ii) not of British manufacture—Rs 6 per ton plus Rs 2-15 per cwt.

Iron or Steel barbed or standard wire and wire rope—20 per cent ad valorem—U. K: 10 per cent. ad valorem.

Iron or Steel wire. other than barbed, or standed wire, wire rope or wire netting; and iron or steel wire nails—(i) of British manufacture —Rs 31 per ton; (ii) not of British manufacture Rs 66 per ton.

All sorts of Iron and Steel and manufactures thereof not otherwise specified—30 per cent ad valorem; U. K: 20 per cent. ad valorem

Enamelled ironware—30 per cent ad valorem not higher than Rs 4 per ton U. K: 20 per cent. ad valorem.

Copper, wrought, and manufactures of copper, all sorts not otherwise specified—30 per cent ad valorem; U. K· 20 per cent ad valorem.

German Silver including nickel silver—30 per cent ad valorem: U. K: 20 per cent ad valorem.

Aluminium-circles, sheets and other manufacture not otherwise specified—30 per cent ad valorem; U. K. 20 per cent ad valorem.

Lead sheets for tea chests—25 per cent ad valorem

Zinc or spelter, wrought or manufactured, not otherwise specified—30 per cent ad valorem; U. K 20 per cent ad valorem.

Tin, Block—Rs. 312/8 per ton.

Brass, bronze and similar alloys, wrought, and manufactures thereof not otherwise specified—30 per cent ad valorem; U. K: 20 per cent ad valorem.

All sorts of metals other than iron and steel, and manufactures thereof, not otherwise specified.—25 per cent ad valorem.

Hardware, ironmongery and tools, all sorts not otherwise specified including incandescent mantles but excluding machine tools and agricultural implements—30 per cent ad valorem; U. K. 20 per cent ad valorem.

Buckets of tinned or galvanized iron and pruning-knives—25 per cent ad valorem.

Metal furniture and cabinetware—30 per cent ad valorem; U. K: 20 per cent ad valorem.

Printing type—One anna and three pies per lb.

Leads, brass rules, wooden and metal quoins, shooting sticks and galleys and metal furniture—2½ per cent ad valorem.

MACHINERY AND APPARATUS.

Textile machinery and apparatus—10 per cent ad valorem.

Printing and Lithographic Material.—10 per cent ad valorem.

Domestic Refrigerators—30 per cent ad valorem: U. K: 20 per cent. ad valorem.

India's Food Problem: A Popular handbook series. Price As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Machinery and component parts thereof, meaning machines or parts of machines to be worked by manual or animal labour not otherwise specified—30 per cent ad valorem, U K 20 per cent ad valorem

Water-lifts, sugar-mills—Free

Agricultural Implements—Free

Instruments, apparatus and appliances other than electrical all sorts not otherwise specified including photographic, scientific, philosophical and surgical—30 per cent ad valorem U K 20 per cent ad valorem

Instruments, apparatus and appliances, imported by a passenger as part of his personal baggage and in actual use by him in the exercise of his profession or calling—Free

Optical and watches and parts thereof—50 per cent ad valorem

Musical Instruments and parts thereof—50 per cent ad valorem, U K 40 per cent ad valorem

The following Musical Instruments, namely complete organs and harmoniums and records for talking machines—50 per cent ad valorem

MISCELLANEOUS.

Brushes, all sorts—30 per cent ad valorem U K 20 per cent ad valorem

Toys, games, playing cards and requisite for games and sports bird shot, toy cannons air guns and air pistols for the time being excluded in any part of British India from the operation of all the prohibitions and directions contained in the Indian Arms Act, 1878, and bows and arrows—50 per cent ad valorem, U K 40 per cent ad valorem

Buttons, metal—30 per cent ad valorem, U K 20 per cent ad valorem

EXPORT TARIFF.

Raw Jute:—(1) Cuttings Re 1-4 as per Bale of 400 lbs (2) All other descriptions Rs 4 8 as per Bale of 400 lbs

Jute Manufactures, when not in actual use as coverings, receptacles or bindings, for other goods—

(1) Sacking (cloth bags, twist, yarn, rope and twine) Rs 20-0 per ton (2) Hessians and all other descriptions of Rs 32-0 per ton (3) Jute rags for paper making—Free

Rice:—Rice husked or unhusked, including rice flour but excluding rice bran and rice dust which are free—2 as 3 pies per md of 82 2/7 lbs

EXCISE DUTY.

Khandari Sugar—10 annas per cwt

All other sugar except palmyra sugar—Re 1/5/- per cwt

Salt—Re 1/9/- per md

Kerosene oil—2 as 9¾ pies per Imperial gallon

Motor Spirit—10 annas per Imperial gallon

Matches —(1) In boxes or booklets containing on an average 40 matches—Re 1 per gross, (2) Do Containing more than 40 but less than 60 sticks—Re 1/8/- per gross, (3) Do Containing more than 60 but less than 80 matches—Rs 2/- per gross, (4) All other matches—4 annas for every 1,440 matches or fraction thereof, (5) Bengal Matches —Free

Silver—2 as per oz

Steel ingots—Rs 4/- per ton

Specimens, Models and Wall Diagrams illustrative of natural science and medals and antique coins—Re 1/8/- per lighter

India's Food Problem: A Popular handbook series. Price As 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

INDIAN INCOME TAX ACT.

(ACT XI OF 1922, AS AMENDED)

Indian Income Tax Act applies to all incomes profits or gains from the following heads of incomes provided the income accrues or arises or is received in British India, or is, under the provisions of this Act, deemed to accrue or arise or to be received in British India —

(I) Salaries
(II) Interest on Securities
(III) Property
(IV) Business
(V) Professional earnings
(VI) Other sources

The aggregate amount of an assessee's income tax chargeable under each of the heads (I) to (VI) shall be the taxable income of the assessee and tax thereon shall be levied at the rate specified below

Provided that, where the assessee is a company or a registered firm constituted under a registered instrument of partnership specifying the individual shares of the partners and the taxable income of such company or firm irrespective of the amount, income tax shall be levied at the maximum rate specified in Part I

'Registered firm" means a firm constituted under an instrument of partnership specifying the individual shares of the partners of which the prescribed particulars have been registered with the Income-Tax Officer in the prescribed manner

Where owing to the fact that the total income of any assessee has reached or exceeded a certain limit, he is liable to pay Income-tax at a higher rate, the amount of Income tax payable by him shall, where necessary, be reduced so as not to exceed the aggregate of the following amounts, namely —

(a) the amount which would have been payable if his total income had been a sum less by one rupee than that limit and

(b) the amount by which his total income exceeds that sum

Super tax is levied at rates specified in Part II when the yearly income exceeds Rs 30,000

PART I

RATES OF INCOME-TAX

A In the case of every individual, Hindu undivided family, unregistered firm and other association not being a registered firm or a Company

(1) When the total income is Rs 2,000 or upwards, but is less than Rs 5 000	6 pies* in the rupee
(2) When the total income is Rs 5,000 or upwards, but is less than Rs. 10,000	9 pies* in the rupee
(3) When the total income is Rs. 10,000 or upwards, but is less than Rs 15,000	One anna* in the rupee
(4) When the total income is Rs. 15 000 or upwards, but is less than Rs 20,000	One anna and 4 pies* in the rupee

* The surcharges on these rates are one-twelfth of the amount of the rate

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

(5) When the total income is Rs 20,000 or upwards, but is less than Rs 30,000	One anna and 7 pies* in the rupee
(6) When the total income is Rs 30,000 or upwards, but is less than Rs 40,000	One anna and 11 pies* in the rupee
(7) When the total income is Rs 40,000 or upwards, but is less than Rs 1,00,000	Two annas and 1 pie* in the rupee
(8) When the total income is Rs 1,00,000 or upwards	Two annas and 2 pies* in the rupee
B In the case of every company and registered firm whatever its total income	Two annas and 2 pies* in the rupee

REFUNDS

(1) If a shore-holder in a company who has received any dividend therefrom satisfies the Income-tax Officer that the rate of income-tax applicable to the profits or gain of the company at the time of the declaration of such dividend is greater than the rate applicable to his total income of the year in which such dividend was declared, he shall, on production of the certificate received by him under the provisions of Section 20, be entitled to a refund on the amount of such dividend (including the amount of the tax thereon) calculated at the difference between those rates

(2) If a member of a registered firm satisfies the Income-tax Officer that the rate of Income-tax applicable to his total income of the previous year was less than the rate at which Income-tax has been levied on the profits or gains of the firm of that year, he shall be entitled to a refund on his share of those profits or gains calculated at the difference between those rates

(3) If the owner of a security from the interest on which, or any person from whose salary, income-tax has been deducted in accordance with the provision of Section 18, satisfies the Income tax Officer that the rate of Income tax applicable to his total income of the previous year was less than the rate at which income-tax has been charged in making such deduction in that year, he shall be entitled to a refund on the amount of interest or salary for which such deduction has been made, calculated at the difference between those rates

PART II
RATES OF SUPER-TAX

In respect of the excess over thirty thousand rupees of total income —

I	**In the case of every company:**	
	(a) In respect of the first Rs. 20,000 of such excess	Nil
	(b) For every rupee of income exceeding Rs 50,000	One anna† in the rupee
II	(a) **In the case of every Hindu undivided family:—**	
(1)	In respect of the first forty-five thousand rupees of such excess	Nil
(2)	For every rupee of the next fifty thousand rupees of such excess	One anna and 3 pies† in the rupee
	(b) **In the case of every individual, unregistered firm and other association of individuals not being a registered firm or a company:—**	

Surcharges on these rates are one-twelfth of the amount of the rate

†The actual super-taxes are the specified rates increased by one-twelfth of the amount of the rate in each case

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

(1)	For every rupee of the first Rs. 20,000 of such excess	9 pies† in the rupee.
(2)	For every rupee of the next Rs. 50,000 of such excess	One anna and 3 pies* in the rupee.

(c) **In the case of every individual, Hindu undivided family, unregistered firm and other association of individuals not being a registered firm or a company:—**

(1)	For every rupee of the fifty thousand rupees of such excess	One anna and 9 pies* in the rupee.
(2)	For every rupee of the next fifty thousand rupees of such excess	Two annas and 3 pies* in the rupee
(3)	For every rupee of the next fifty thousand rupees of such excess	Two annas and 9 pies* in the rupee.
(4)	For every rupee of the next fifty thousand rupees of such excess	Three annas and 3 pies* in the rupee
(5)	For every rupee of the next fifty thousand rupees of such excess	Three annas and 9 pies* in the rupee
(6)	For every rupee of the next fifty thousand rupees of such excess	Four annas and 3 pies* in the rupee.
(7)	For every rupee of the next fifty thousand rupees of such excess	Four annas and 9 pies* in the rupee.
(8)	For every rupee of the next fifty thousand rupees of such excess	Five annas and 3 pies* in the rupee
(9)	For every rupee of the next fifty thousand rupees of such excess	Five annas and 9 pies* in the rupee.
(10)	For every rupee of the remainder of the excess	Six annas and 3 pies* in the rupee.

PROVISIONS IN NEW FINANCE ACT.

The Finance Bill for the current session makes the following provisions with regard to the collection of income-tax

The Bill provides that incomes from salaries and interest on securities should finally be taxed for the purposes of income-tax and not super-tax at rates applicable to the total income of the like amount which was in force at the time when taxation at source on these incomes took place Otherwise salary earners, for example, would be able not only to secure the advantage of reduced rates during 1936-37 but also obtain the refund part of the tax which had been deducted from their salaries during 1935-36.

It also makes similar provision for purposes of refunds under sub-section (1) or sub-section (3) of section 48 in respect of dividends in the year ended March 31, 1936 or payments made in the said year of salaries or of interest on securities These provisions form a counterpart of the concession that has been allowed from time to time in the past when the rates of income-tax were being enhanced

* The actual super-taxes are the specified rates increased by one-twelfth of the amount of the rate in each case.

Guide To First Aid: An indispensable guide for every home. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

INDIAN STAMP DUTIES.

INDIAN STAMP DUTIES.

The stamp head of revenue has been divided mainly under two categories, viz, judicial and commercial On the eve of the introduction of the Montagu-Chelmsford Reforms, the question arose as to the allotment of stamps as a source of revenue The authors of the Joint Report suggested that judicial stamps should be made over to the provinces, but commercial stamps should be retained by the Central Government The Meston Committee recommended that both sorts of stamps should constitute sources of provincial revenue The Parliamentary Joint Committee agreed with this recommendation, and under the Devolution Rules, non-judicial stamps became provincial, in addition to the judicial stamps, subject to legislation by the Central Legislature in the former case

ACKNOWLEDGMENT of a debt exceeding twenty rupees in amount or value, written or signed by, or on behalf of, a debtor in order to supply evidence of such debt in any book (other than a banker's pass-book) or on a separate piece of paper when such book or paper is left in the creditor's possession provided that such acknowledgment does not contain any promise to pay the debt or any stipulation to pay interest or to deliver any goods or other property . Anna 1

ADMINISTRATION-BOND, including a bond given under section 256 of the Indian Succession Art, 1865, section 6 of the Government Savings Banks Act, 1873, section 78 of the Probate and Administration Act, 1881, or section 9 or section 10 of the Succession Certificate Act, 1889—

(a) where the amount does not exceed Rs 1,000, the same duty as a Bond for such amount

(b) in any other case Rs 5 0

AGREEMENT OR MEMORANDUM OF AN AGREEMENT—

(a) if relating to the sale of a bill of exchange As 2

(b) if relating to the sale of a Government security, or share in an incorporated company or other body corporate

Subject to a maximum of ten rupees, one anna for every Rs 10,000 or part thereof of the value of the security or share

(c) if not otherwise provided for . As 8

ARTICLES OF ASSOCIATION OF A COMPANY Rs 25 0

APPRAISEMENT or valuation made otherwise than under an order of the Court in the course of a suit—

(a) where the amount does not exceed Rs 1,000, the same duty as a Bond for such amount

(b) in any other case Rs 5 0

APPRENTICESHIP-DEED, including every writing relating to the service or tuition of any apprentice, clerk or servant placed with any master to learn any profession, trade or employment, not being Articles of clerkship . Rs. 5 0

APPRAISEMENT or valuation made otherwise than under an company is not formed for profit and registered under Section 26 of the Indian Companies Act, 1882 . . Rs 25 0

Guide To First Aid: An indispensable guide for every home As 4.
INDUSTRY BOOK DEPT. SHAMBAZAR, CALCUTTA.

3388/594

AWARD, that is to say, any decision in writing by an arbitrator or umpire, not being an award directing a partition, on a reference made otherwise that by an order of the Court in the course of a suit—

(a) where the amount or value of the property to which the award relates as set forth in such award does not exceed Rs 1,000 the same duty as a Bond for such amount

(b) in any other case Rs 5 0

BILL OF EXCHANGE not being a bond, bank note or currency note—

(a) where payable on demand Anna 1

(b) where payable otherwise than on demand, but not more than one year after date or sight at the following rates —

	If drawn singly	For each part when in set of three	For each part when in set of two
	Rs As	Rs As	Rs As
if the amount of the bill or note does not exceed Rs 200	0 3	0 2	0 1
if it exceeds Rs 200 and does not exceeds Rs 400	0 6	0 3	0 2
if it exceeds Rs 400 and does not exceed Rs 600	0 9	0 5	0 3
if it exceeds Rs 600 and does not exceed Rs 800	0 12	0 6	0 4
if it exceeds Rs 800 and does not exceed Rs 1,000	0 15	0 8	0 5
if it exceeds Rs 1,000 and does not exceed Rs 1,200	1 2	0 9	0 6
if it exceeds Rs 1,200 and does not exceed Rs 1,600		0 12	0 8
if it exceeds Rs 1,600 and does not exceeds Rs 2,500	2 4	1 2	0 12
if it exceeds Rs 2,500 and does not exceed Rs 5,000		2 4	1 8
if it exceeds Rs 5,000 and does not exceed Rs 7,500	6 12	3 6	2 4
if it exceeds Rs 7,500 and does not exceed Rs 10,000	9 0	4 8	3 0
if it exceeds Rs 10,000 and does not exceed Rs 15,000	13 8	6 12	4 8
if it exceeds Rs 15,000 and does not exceed Rs 20,000	18 0	9 0	6 0
if it exceeds Rs 20,000 and does not exceed Rs 25,000	22 8	11 4	7 8
if it exceeds Rs 25,000 and does not exceed Rs 30,000	27 0	13 8	9 0
and for every additional Rs 10,000 or part thereof in excess of Rs. 30,000	9 0	4 8	3 0

(c) where payable at more than one year after date or sight The same duty as a Bond for the same amount.

BILL OF LADING (including a through bill of lading) As 4

N B—If a bill of lading is drawn in parts, the proper stamp therefor must be borne by each one of the set

BOND not being a debenture and not being otherwise provided for by this Act, or by the Court-fees Act, 1870—

Cattle Breeding & Dairying: A handbook on keeping Cows. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

where the amount or value secured does not exceed				Rs 10	As 2
when it exceeds	Rs 10	but	does not exceed	Rs 50	As 4
" "	Rs 50	"	"	Rs 100	As 8
" "	Rs 100	"	"	Rs 200	Re 1
	Rs 200	"	"	Rs 300	Re 1-8
	Rs 300	"	"	Rs 400	Rs 2-0
	Rs 400			Rs 500	Rs 2-8
	Rs 500			Rs 600	Rs 3 0
	Rs 600			Rs 700	Rs 3-8
	Rs 700			Rs 800	Rs 4 0
	Rs 800	"	"	Rs 900	Rs 4 8
	Rs 900	"	"	Rs 1,000	Rs 5 0

and for every Rs 500 or part thereof in excess of Rs 1 000 Rs 2 8

CHARTER-PARTY, that is to say, any instrument (except an agreement for the hire of a tug-steamer) whereby a vessel or some specified principal art thereof is let for the specified purposes of the Charter, whether it includes a penalty clause or not Re 1

CHEQUE Free

DELIVER ORDER IN RESPECT OF GOODS, that is to say, any instrument entitling any person therein named, or his assigns or the holder thereof, to the delivery of any goods lying in any dock or part, or in any warehouse in which goods are stored or deposited on rent or hire, or upon any wharf, such instrument being signed by or on behalf of the owner of such goods, upon the sale or transfer of the property therein, when such goods exceed in value twenty rupees Anna 1

LETTER OF ALLOTMENT OF SHARES in any company or proposed company, or in respect of any loan to be raised by any company or proposed company As 2

LETTER OF CREDIT, that is to say, any instrument by which one person authorises another to give credit to the person in whose favour it is drawn As 2

MEMORANDUM OF ASSOCIATION OF A COMPANY—

(a) if accompanied by articles of association under Section 37 of the Indian Companies Act 1882 Rs 15

(b) if not so accompanied Rs 40

NOTARIAL ACT that is to say, any instrument, endorsement note, attestation, certificate or entry not being a Protest made or signed by a Notary Public in the execution of the duties of his office, or by any other person lawfully acting as a Notary Public Re 1

NOTE OR MEMORANDUM sent by a Broker or Agent to his principal, intimating the purchase or sale on account of such principal—

(a) of any goods exceeding in value twenty rupees As 2

(b) of any stock or marketable security exceeding in value twenty rupees,

Subject to a maximum of ten rupees, one anna for every Rs 10,000 or part thereof of the value of the stock or security

PARTNERSHIP—

A—Instrument of

(a) where the capital of the partnership does not exceed Rs 500 . Rs 2 8

(b) in any other case . Rs 10

B—Dissolution of Rs 5

POLICY OF INSURANCE—

A—Marine—

Cattle Breeding & Dairying: A handbook on keeping Cows. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA

(i) where the premium or consideration does not exceed the rate of two annas or one eighth per centum of the amount insured by the policy — Anna 1

(ii) in any other case, in respect of every full sum of one thousand rupees and also any fractional part of one thousand rupees insured by the policy — As 1

B For time—

In respect of every full sum of Rs. 1,000 and also any fractional part of Rs 1,000 insured by the policy—

(a) where the insurance shall be made for any time not exceeding six months — As 2

(b) where the insurance shall be made for any time exceeding six months and not exceeding twelve months — As 4

C—Fire Insurance and Other Classes of Insurance, not elsewhere included in this Article, covering goods, merchandise, personal effects, crops and other property against loss or damage—

(1) in respect of an original policy—

(i) when the sum insured does not exceed Rs 5 000 — As 8

(ii) in any other case — Re 1

(2) in respect of each receipt for any payment of a premium on any renewal or an original policy—One-half of the duty payable in respect of the original policy in addition to the amount

D—Life Insurance or Other Insurance

For every sum insured not exceeding Rs 1,000, and also for every Rs 1 000 or part thereof insured in excess of Rs 1,000

(i) if drawn singly — As 6

(ii) if drawn in duplicate, for each part — As 3

PROMISSORY NOTE —

(a) when payable on demand—

(i) when the amount or value does not exceed Rs 250 Anna 1

(ii) when the amount or value exceeds Rs 250 but does not exceed Rs. 1,000 — As 2

(iii) in any other case — As 4

(b) when payable otherwise on demand, the duty is the same as a Bill of Exchange

PROTEST OF BILL OR NOTE, that is to say, any declaration in writing made by a Notary Public, or other person lawfully acting as such, attesting the dishonour of a bill of exchange or promissory note — Re 1

RECEIPT for any money or other property, the amount or value of which exceeds twenty rupees — Anna 1

WARRANT FOR GOODS, that is to say, instrument evidencing the title of any person therein named, or his assigns, or the holder thereof to the property in any goods lying in or upon any dock, warehouse or wharf, such instrument being signed, or certified, by or on behalf of the person in whose custody such goods may be — As 4

REGISTRATION FEES OF DOCUMENTS

When the value does not exceed	Rs 50				0 8
When the value exceeds Rs. 50	but does not exceed			Rs 100	0 12
" " "	Rs. 100	"	"	Rs. 250	1 0
" " "	Rs 250			Rs 500	1 8
" " "	Rs. 500	"	"	Rs. 1,000	2 0
For every additional Rs 1,000 or part					1 0
If no consideration expressed					10 0

Vegetable Oil Industry. An up-to-date manual on oil milling & refining. Price Re 1-8 Industry Book Dept., Shambazar, Calcutta.

POSTAL INFORMATION.

Postal Stamps.—(1) Postage stamps of the following values are issued by the Post Office.—

½ anna	1½ annas.	3½ annas	12 annas	10 rupees.
¾ "	2 "	4 "	1 rupee.	15
¼ "	2½ "	6 "	2 rupees.	25
	3 "	8 "	5	

Postcards, Envelopes and Wrappers—(1) Postcards are of two kinds, viz, Inland and International postcards Inland postcards measure 5½ × 3½ inches and bear a ½ anna stamp, and in the case of a reply card a ½ anna stamp on each half International postcards measure 5½ × 3½ inches and bear a two-anna stamp, and in the case of a reply card, a two-anna stamp on each half Poscards, both Inland and International, are sold at the denoted values of the stamps on them.

(2) Wrappers bearing a half-anna stamp for newspapers and packets are sold at the following prices —

For	Rs	As	P.	For	Rs	As	P.
1	0	0	7	4	0	2	4
2	0	1	2	5	0	2	11
3	1	1	9	6	0	3	6

The wrappers can only be used for the transmission of newspapers and packets by either the inland or foreign post, and additional adhesive stamps can be affixed to them when the weight is not covered by the stamp printed upon them

Embossed Envelopes.—Embossed envelopes bearing postage stamps of 1 anna and 1 anna 6 pies are available and sold at the denoted values of stamps on them

Registration envelopes are of three sizes, namely 7½ × 4½ inches, 9 × 6½ inches, 14½ × 5½ inches

CERTIFICATE OF POSTING.

Manner of obtaining.—A certificate of posting may be obtained in respect of any postal article for which a receipt is not given by the post office subject to the following conditions, namely —

(a) the certificate of posting written in ink must be presented to an officer on duty at the post office along with the article to be posted during the hours fixed for the grant of such certificates;

(b) the certificate must contain an exact copy of the addresses on the articles to which it relates, and must have a postage stamp, or stamps, affixed thereto in payment of a fee to be charged at the rate of half anna for every three articles of the same class or for less number,

(c) the actual number of articles in respect of which the certificate is required must be written in words at the foot of the certificate No more than three articles should be entered in a single certificate and each certificate should be presented along with the article entered in it

NOTE.—Printed forms of certificate of posting are obtainable at all post offices free of charge and the use of these forms is recommended Books containing 50 forms are also procurable at all principal post offices at a cost of two annas per book.

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POST BOXES AND BAGS.

Post Box.—A Post Box may be rented at the three Presidency towns of Calcutta, Bombay and Madras and at places where the post box system is in force. Into it will be sorted all fully-prepaid unregistered letter, postcards, newspapers and packets for any person residing or conducting business within the ordinary delivery jurisdiction of each office in these offices where a post box installation exists. The renter of a box or his messenger is entitled to clear the box at his convenience during business hours. The box bears a number which is assigned to it. This can be used as the postal address of the renter except in respect of money orders and registered and other articles for which receipts have to be given to the post office at the time of receiving delivery. The box can be rented for an official year on payment of a fee of Rs. 15. The fee charged for a period of less than one official year is Rs.5 for every three calendar months or a portion thereof. A deposit to cover the cost of a post box lock and varying in amount in each Circle is taken from the renter in addition. This deposit is refunded to the renter on his surrendering the box at any time provided the lock is in good condition.

Post Bag.—If desired a Private bag numbered in the same way which must be conveyed by the renter or his messenger to and from the post office can also be rented at any of the post offices mentioned above in addition or as an alternative to the post box. Into it is sorted correspondence for the renter. This bag will be locked at the Post Office before being handed over to the messenger sent to collect by the renter. The bag may be used also for the conveyance to the post office of fully prepaid unregistered articles of the letter mail to be posted. The bag which must be provided with a lock and duplicate keys, is not supplied by the Post Office. The fee for a private bag is Rs. 24 for each official year. The fee for a period of less than one year is charged at the rate of Rs. 8 for three calendar months or a portion thereof.

The same fee is levied for a post bag used in combination with a post box where both bag and box bear the same number and the use of the bag is restricted to the collection of letter mails from the post office. No private boxes or bags can be rented for a period of less than three months. The fee for a post box together with a post bag with a separate number on each is Rs. 39 for each official year. Application for these facilities should be made to the postmaster concerned to whom all fees should be paid. All other special conditions governing the delivery of postal articles through the medium of a post box or bag can be ascertained from the postmaster.

RE-DIRECTION AND CHANGE OF RESIDENCE.

Re-direction.—A postal article which cannot be delivered by the post office, to which it is addressed owing to the addressee being elsewhere may be re-directed, free of charge, save as otherwise provided in clause 104A, to another post office for delivery to him.

A parcel re-directed to any place served by the inland post will, save where the original address and the substituted address are within the delivery area of the same post office, or are within the same post town, be chargeable in respect of each re-direction with further postage amounting to half the prepaid rate. Such re-direction is not, however, undertaken unless the addressee or his agent gives written instructions in the matter.

INSURANCE.

Articles which can be insured.—Registered letters, value-payable registered letters, registered parcels, and value-payable registered parcels

USEFUL PHRASES: A HELPFUL COMPANION TO ALL. AS. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

may be insured up to the value of Rs 600 at such branch post offices, and up to the value of Rs 3,000 at such other post offices, as are authorised to accept articles for insurance and for such post offices as are authorised to deliver insured articles provided that in no case shall such value exceed the real value of the contents of the article insured. provided also that articles containing gold coin or bullion or both shall be insured for the actual value of the contents For the purpose of this rule, papers, such as securities, legal documents, etc, may be regarded as having a real value

Insurance covers all risks in course of transmission by post

Packing.—(1) Every letter tendered for insurance must be enclosed in a strong cover, which must be securely fastened and sealed with fine wax bearing a private mark, in such a way that it cannot be opened without either breaking the seals or leaving obvious traces of violation No label of any kind should be affixed by the sender to such a cover Envelopes with black or coloured borders must not be used Seals must be placed over each flap or seam of the cover, and if the cover is tied round with string or tape, a seal must be placed on the ends where they are tied As an additional precaution (if the contents admit of it) a thread should be passed through the cover and its contents and tied, the knot being placed under the central seal

(2) Every parcel tendered for insurance must be packed carefully and substantially, with due regard to the nature of the contents and the length of the journey, and must be sealed with wax or lead bearing a private mark in such a way that it cannot be opened without either breaking the seal or leaving obvious traces of violation Seals must be placed over each join or loose flap of the covering of a parcel, and if string be used in packing, a seal must be placed on the ends of the string where they are tied

VALUE-PAYABLE ARTICLES.

Value-payable articles.—The amount specified for remittance to the sender in the case of any postal article shall not exceed 1,000 rupees

Detention in Office of delivery and levy demurrage.—(1) If the addressee of a value payable postal article omits to take delivery of it within the seven days following the date of its first presentation or the date of delivery to him or to his accredited agent of an intimation of its arrival the article will be returned to the sender on the eighth day

Provided that if in the meantime the addressee has applied in writing to the post office for the detention of the article for a further period not exceeding seven days beginning with the said eighth day and has agreed to pay at the time of delivery of the said article a fee of two annas for each day of such further period, the article will not be returned to the sender until the expiration of the further period covered by the application

(2) When a value-payable postal article is returned to the sender under sub-clause (1) the sender will be required to pay any charges that may be due on it and to acknowledge receipt of the article by signing the form presented by the postman In no circumstances will any fee or fees prepaid by the sender be refunded

Insurance of V P articles.—The sender of a value-payable registered parcel or registered letter can also insure it under the rules relating to Insurance

NOTES FOR PUBLIC INFORMATION.

Complaints against Post Office.—Letters containing complaint against the Post Office should be properly stamped In all cases of loss

USEFUL PHRASES: A HELPFUL COMPANION TO ALL. AS. 4.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA

of the contents of an article, the cover or wrapper should accompany the complaint and a full description of the missing contents should be given; if the missing contents are currency notes, the serial letters and numbers and general numbers of the notes should be given.

Complaints regarding the wrong payment or non-payment of a money order cannot be attended to unless preferred within twelve months of the date of issue of the money order.

Whenever the sender or addressee of a value-payable postal article makes a complaint regarding the delivery of, or payment for, a value-payable postal article, he is required to furnish full particulars regarding each value-payable article to which the complaint refers and to pay a fee of one anna in respect of each article. No complaint will be attended to unless made within twelve months of the date of posting of the value-payable article. This fee will be refunded in cases where the complaint is found to be well-grounded.

Foreign Parcels.—Each parcel despatched outside India should be accompanied by a Customs declaration in the prescribed form, which is obtainable free at every post office.

BOOK AND PATTERN PACKETS.

The dimensions of a book packet, which may be of any shape, must not exceed two feet in length by one foot in width and one foot in depth. When, however, the packet is in the form of a roll, the length must not exceed thirty inches; provided that, if the length exceeds two feet, the diameter must not exceed four inches.

A book packet must be posted without a cover, or in an unfastened envelope, or in a cover which can be easily removed for the purpose of examination without breaking any seal or tearing any paper or separating any adhering surfaces.

A pattern packet may contain bonafide trade patterns or samples of merchandise not having any saleable value together with, or without, any matter which may be sent as a book packet. There must be no writing upon or in a pattern packet, except the name and address of the sender, the name and address of the person for whom it is intended, a trade mark, numbers, prices and indications as to weight, size, or quantity to be disposed of. The dimensions of a pattern packet must not exceed two feet in length by one foot in width and one foot in depth, and the weight must not exceed two hundred tolas.

POST OFFICE SAVINGS BANK.

Any person may deposit money in a Post Office Savings Bank (a) on his own behalf, or (b) on behalf of any minor relative, or (c) on behalf of any minor of whom he is the guardian, or (d) on behalf of a lunatic of whom he is the manager or guardian appointed by a court of law.

The smallest sum of money that can be deposited or withdrawn at any time is four annas; and no sum can be deposited or withdrawn that includes a fraction of an anna. A depositer may withdraw money only once a week. The total amount at call which may be deposited in any one official year—from the 1st April to the 31st of March inclusive, after deducting the amounts withdrawn during the year, may not exceed Rs. 750. The total amount at call which a depositer may have at any time, exclusive of interest for the current year, is Rs. 5,000 in the case of an adult and Rs. 1,000 in the case of an account opened on behalf of a minor by the relative or guardian.

Interest on deposits is allowed at the rate of 2½ p.c. per annum.

Common Faults and Errors: A guide to writers and speakers in English Price As. 4. Industry Book Dept., Shambazar, Calcutta.

POSTAL CASH CERTIFICATES.

Post Office 5-Year Cash Certificates for Rs 10, 20, 50, 100, 500 and 1000, are obtainable at any post office doing savings bank work at an issue price of Rs 8-10, 17-4, 43-2, 86-4, 431-4 and Rs 862-8 respectively

The total number of Cash Certificates which may be held by one person, whether in the capacity of a sole holder or of a joint holder, or of both, is limited to Rs 10,000 If the holder of a certificate desires to surrender it before the completion of five years, he will be entitled to payment as shown in the table which appears on the reverse of the certificate

INDIAN POSTAL ORDER.

A new system of remittance of small amounts not exceeding Rs 10 by means of Indian Postal Orders has been introduced by the Posts and Telegraphs Department

Indian Postal Orders will be available in the denominations of 8 annas, 1 rupee, 5 rupees and 10 rupees, and the commission chargeable in respect of each order will be 1 anna They are sold and paid by all Head and Sub post offices in India and Burma

To make up broken amounts, unused postage stamps not exceeding three in number may be affixed on the face of Indian Postal Orders of all denominations except Rs 10, in the space reserved for the purpose, provided that the total amount payable on the order shall not exceed Rs 10 and provided also that a fraction of an anna shall not be included.

The purchaser of an Indian Postal Order must, before parting with it fill in ink the name of the person to whom the amount is to be paid. If the sender desires that payment should be made through a bank, he should cross the order in ink in the way in which it is usual to cross cheques

Before a Postal Order can be paid, the name of the payee and the name of the office of payment must be filled in and the order must be properly receipted If a Postal Order be crossed, payment will be made only through a Bank A crossed Indian Postal Order may, if so desired, be paid into the payees account in the Post Office Savings Banks

The purchaser of an Indian Postal Order should fill in the particulars for which provision has been made on the counterfoil, which he should then tear off and retain

If an Indian Postal Order is presented for payment after three months from the last day of the month of issue, a second commission of one anna will be charged

Indian Postal Orders presented for payment more than six months after the last day of the month of issue will not be paid.

The purchaser of an Indian Postal Order can obtain repayment of its value (but not the commission), on presenting the Order and the counterfoil at the post office from which the Order was purchased

After an Indian Postal Order has once been paid to whomsoever it is paid, the Post Office will not be liable for any further claim

POST CARDS.

	Rs	As	P
Each Post Card, Single	0	0	9
„ Reply Post Card	0	1	6

Single and Reply Post Cards of private manufacture must be pre-paid Unpaid Post Cards are forwarded to the Dead Letter Office to be destroyed forthwith.

LETTERS

	Rs	As	P
For a weight not exceeding one tola	0	1	0
For every additional 1 tola or part of that weight	0	0	6

Common Faults and Errors: A guide to writers and speakers in English Price As. 4. Industry Book Dept, Shambazar, Calcutta.

Embossed Envelopes	0 1 0
Embossed Registration Envelopes —	
7½×4½ inches size (inclusive of postage stamp)	0 4 9
9 ×6½ inches size (exclusive of " ")	0 4 0
14½×5½ inches size (" " " ")	0 4 3

Bearing charges on letters double the prepaid rate of deficiency

BOOK AND PATTERN PACKETS

	Rs As P
Every 5 tolas or part of that weight	0 0 9
" additional 5 tolas or part of that weight	0 0 6

REGISTERED NEWSPAPERS
(Prepayment Compulsory)

	Rs As P
Not exceeding 8 tolas in weight	0 0 3
Exceeding 8 tolas, but not exceeding 20 tolas in weight	0 0 6
Every additional 20 tolas in weight or part of that weight	0 0 6

PARCELS.

	Rs As P
Not exceeding 20 tolas	0 2 0
Exceeding 20 tolas but not over 40 tolas	0 4 0
For every additional 40 tolas or fraction thereof	0 4 0

Parcels over 440 tolas must be registered

REGISTRATION FEE

	Rs As P
For each letter, post card, book or pattern packet or parcel (in addition to the usual Postal charges)	0 3 0
Acknowledgment Fee for each article registered	0 1 0

INSURANCE FEE

In addition to postage and registration fee the following fee is charged for insurance

	Rs As P
When the value insured does not exceed Rs 100	0 3 0
When the value insured exceeds Rs 100 but does not exceed Rs 150	0 4 0
When the value insured exceeds Rs 150 but does not exceed Rs 200	0 5 0
For every additional Rs 100 or fraction thereof over Rs 200 and up to Rs 1,000	0 2 0
For every additional Rs 100 or fraction thereof over Rs 1,000	0 1 0

Acknowledgment free of charge

VALUE PAYABLE FEES

These fees are calculated on the amount specified for remittance to the Sender at ordinary Money Order rates The limits of a Value-Payable is Rs 1,000

Schedule of Fees.

		Rs As P
Amount specified for remittance to sender—	not exceeding Rs 10	0 2 0
	exceeding Rs 10, but not exceeding Rs 25	0 4 0
	exceeding Rs 25	0 4 0
	for each complete sum of Rs 25 and As 4 for the remainder, provided that if the remainder does not exceed Rs 10, the charge for it shall be only	0 2 0

The sender of a value-payable registered parcel or registered letter can also insure it under the rules relating to Insure The value declared

Dental Preparations: An excellent handbook on making Tooth Pastes, Creams, Powders, Cements etc, Re 1-8. Industry Book Dept., Calcutta.

for insurance need correspond with the amount specified by the sender for remittance to himself

ORDINARY MONEY ORDER FEES.

	Rs	As	P
On any sum not exceeding Rs 10	0	2	0
On exceeding Rs 10 but not exceeding Rs 25	0	4	0
On exceeding Rs 25 for each complete sum of Rs 25 and As 4 for the remainder provided that if the remainder does not exceed Rs 10 the charge for it shall be only	0	2	0

TELEGRAPHIC MONEY ORDER FEES

The amount for which a single Telegraphic Money Order may be issued must not exceed Rs 600, and must not include fractions of a rupee

The fee for the issue of a T M O is the same as the fees for Ordinary Money Orders plus a telegraph charge calculated at the rates for inland telegrams for the actual number of words used in the telegram advising the remittance, according as the telegram is to be sent as an "Express" or as an "Ordinary" message (see page 49)

(Ceylon and Portuguese India—Indian Inland Rates)

FOREIGN POSTAGE RATES.

POST-CARDS.

	Rs	As	P
International Post card	0	2	0
" Reply Post-card	0	4	0

The postage on letters for Ceylon and Portuguese India is the same as the postage on Indian letters

LETTERS.

For Great Britain and Northern Ireland and all British Possessions and Egypt including the Soudan for the 1st oz	0	2	6
Every additional oz or part of that weight	0	2	0
For all other countries with the exception of Ceylon and Portuguese India, not exceeding 1 oz	0	3	6
Every additional oz or part of that weight	0	2	0

Postage on letters for Ceylon and Portuguese India is the same as the postage on Inland letters

PRINTED PAPERS.

Per 2 oz or fraction thereof	0	0	9

Postage on packets of printed papers for Ceylon and Portuguese India is the same as the postage on inland book packets

BUSINESS PAPERS

	Rs	As	P
Not exceeding 8 oz	0	3	0
Per 2 oz additional	0	0	9

SAMPLE PACKETS.

Not exceeding 4 oz. - -	0	1	6
Per 2 oz additional	0	0	9

REGISTRATION FEE

For each registered letter, post-card or packet registered (in stamps)	0	3	0

ACKNOWLEDGMENT FEE.

For each registered letter, post-card or packet in addition to registration fee (in stamps)	0	3	0
Do do for Ceylon	0	1	0

Dental Preparations: An excellent handbook on making Tooth Pastes, Creams, Powders, Cements etc. Re 1-8. Industry Book Dept., Calcutta.

PARCELS.

For Great Britain and Northern Ireland	via Gibraltar Rs As P	Overland Rs As P
Not over 3 lbs	1 8 0	1 13 6
Exceeding 3 lbs but not over 7 lbs	2 12 0	3 1 6
" 7 lbs " " " 11 lbs	3 15 0	4 2 6
" 11 lbs " " " 20 lbs	6 3 0	7 3 0

Parcels exceeding 11 lbs, but not exceeding 50 lbs, superscribed "To be despatched through the medium of the P & O S N Co" are forwarded from Bombay through the medium of P & O S N Co at As 12 per pound The parcels are delivered free of charge within a radius of one mile from the company's head office in London

INSURANCE RATES.

In addition to postage and registration fee the following fee is charged for insurance.

	Rs	As	P
For the United Kingdom and British Possessions —			
When the value insured does not exceed £12	0	4	0
For every additional £12 or fraction thereof	0	4	6
For Ceylon and Portuguese India —			
Where the value insured does not exceed Rs 100	0	3	0
Where the value insured exceeds Rs 100 but does not exceed Rs 150	0	4	0
Where the value insured exceeds Rs 150 but does not exceed Rs 200	0	5	0
For every additional Rs 100 or fraction thereof over Rs 200 and up to Rs 1,000	0	2	0
For every additional Rs 100 or fraction thereof over Rs 1,000	0	1	0
For Mauritius, Zanzibar, the Seychelles and British Somaliland —			
When the value does not exceed Rs 180	0	4	6
For every additional Rs 180 or fraction thereof	0	4	6

VALUE-PAYABLE PARCELS

In the case of value-payable parcels for Great Britain and Northern Ireland, and the Irish Free State, the Straits Settlements, the Federated Malay States or Johore

		Rs	As	P
Amount specified for remittance to the sender—	not exceeding Rs 10	0	3	0
	exceeding Rs 10, but not exceeding Rs 25	0	6	0
	" Rs 25	0	6	0

for each complete sum of Rs 25, and 6 annas for the remainder, provided that if the remainder does not exceed Rs 10, the charge for it shall be only 3 annas

A posting fee of 2 annas must also be prepaid

BRITISH POSTAL ORDERS.

(1) British Postal Orders for fixed sums, from 6d to £1-1-0 are available for sale to the public at all the Head and Sub-Post Offices in place where a large European community exists or where there is a demand for the orders Other Post Offices, to which application may be made for British Postal Orders, will obtain them and deliver them to the purchasers Poundage 1 anna to 2 annas

(2) Until further notice, the issue of British postal orders to any single individual in one day is limited to £20

Hand Spinning & Weaving: Contains detailed methods. As 4.
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FOREIGN RUPEE MONEY ORDERS

The rates of commission on rupee money orders drawn on the foreign countries as specified in the Postal Guide are —

	Rs	As	P
On any sum not exceeding Rs 10	0	3	0
On any sum exceeding Rs 10, but not exceeding Rs 25	0	6	0

for each complete sum of Rs 25 and 6 annas for the remainder, provided that if the remainder does not exceed Rs 10, the charge for it shall be only 3 annas

STERLING MONEY ORDERS

For a Sterling Money Order on any sum not

	Rs	As	P
exceeding £ 1	0	4	0
" £ 1 but not exceeding £ 2	0	7	0
" £ 2 " " " £ 3	0	10	0
" £ 3 " " " £ 4	0	13	0
" £ 4 " " " £ 5	1	0	0
" £ 5	1	0	0

for each complete sum of £5 and Re 1 for the remainder provided that if the remainder does not exceed £1, the charges for it shall be As 4 if it does not exceed £2, the charge for it shall be As 7, if it does not exceed £3, the charge for it shall be As 10, and if it does not exceed £4 the charge for it shall be As 13

TELEGRAPHIC MONEY ORDERS

Telegraphic Money Orders expressed in Sterling may be exchanged with the United Kingdom The amount of a single Indo-United Kingdom Telegraphic M O may not exceed £40 or include any fraction of a penny The fee of T M O is Money Order commission plus cost of telegraphic advice according to the rate for private message to the United Kingdom

TELEGRAPHIC INFORMATION.

INLAND TELEGRAMS

There are two classes of Telegrams—Express and Ordinary—and the following are the rates of charge between any two offices in India or Burma

	Rs	As	P
Express—For first 9 words (including Address) or less	1	2	0
Each additional word	0	2	0
Ordinary—For first 8 words (including Address) or less	0	9	0
Each additional word	0	1	0

GREETING TELEGRAMS —

	Rs	As	P
Express—For first 6 words	0	12	0
Each additional word	0	2	0
Ordinary—For first 6 words	0	6	0
Each additional word	0	1	0

Multiple Address Telegram—A telegram will be delivered at two or more addresses in the same free delivery area on prepayment of the ordinary telegram charges for the total number of words in the addresses and text in addition to a charge of 4 annas for every copy beyond the first If the message contains more than 100 chargeable words a copying fee of 4 annas per 100 words, plus 4 annas for the excess, is charged for each additional copy In the case of multiple state telegram addressed to more than one station, a surcharge of two annas

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or one anna according to the class of the telegram is levied on each address in the telegram

INLAND PRESS TELEGRAMS.

	Rs	As	P
Express—For first 40 words	1	0	0
Each additional 5 words	0	2	0
Ordinary—For first 40 words	0	8	0
Each additional 5 words	0	1	0

The copying fee should be charged at the rate of 5 annas for the first 100 words, and one anna for each additional 20 words in respect of every address after the first.

FOREIGN TELEGRAMS.

From any office in India or Burma to countries of Europe, except Russia and Turkey, per word including address via Indo or Eastern .. 1 4 0

Deferred Foreign private telegrams in plain language are accepted at half rates

FOREIGN PRESS TELEGRAMS

From any office in India or Burma to United Kingdom via Indo or Eastern, per word . 0 4 0

TELEGRAMS FOR CEYLON.

From any office in India or Burma via Madras, per word including address—

Express—First 12 words (including address)	2	0	0
Each additional word	0	3	0
Ordinary—First 12 words (including address)	1	0	0
Each additional word	0	2	0

The address is charged for No surcharge is levied

CEYLON PRESS TELEGRAMS

From Station in India or Burma—

First 32 words . ..	1	0	0
Each additional 4 words	0	2	0

The address is allowed free

TELEGRAMS BY AIR MAIL

Inland telegrams are accepted at all Government telegraph Offices in India and Burma for transmission by telegraph to (1) Karachi to be posted thence as air mail letters for Persia, Iraq, Palestine, Egypt, Great Britain and other countries in Europe, U S A and Canada and (2) Calcutta or Rangoon, as may be advantageous to be posted thence as air mail letters for Siam, Malay, Straits Settlements, French Indo-China and the Dutch East Indies as well as China, Japan, Phillippine Islands and Sarawak The charges payable on such telegrams are calculated at the Indian inland rates (according to the class Express or Ordinary at sender's choice) plus the air mail fee in addition to the usual letter postage for air mail services If a message is to be registered before being posted, the sender will also have to pay the registration charges

AIR MAIL SERVICES.

GENERAL RULES

Articles of the letter mail, ordinary or registered, are accepted for despatch by Air mail services, subject to the following conditions

(1) Each article, besides conforming to the regulations of the Foreign Post regarding postage, etc, must bear in the left-hand top

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corner a blue Air Mail label obtainable free at the post office and should be clearly and conspicuously superscribed with the name of the Air route by which it is to be transmitted

(ii) The Air fee prescribed for the service as shown below which is to be paid in addition to the postage (and the registration fee in the case of registered articles) must be prepaid The prepayment of Air fee for the postage and the Air fee combined may be made by means of special Air mail stamps but the use of ordinary postage stamps for the Air fee is also allowed.

Air Mail Stamps.—Air mail stamps of the denominations of 3, 6 and 12 annas are available at important post offices for sale to the public

Air Mail Envelopes.—Air mail envelopes (commercial size), with the 8 annas air mail stamp and blue air mail label printed on them and a half anna stamp affixed on each, are also available at important post offices and are sold at Rs 4-6-0 a packet of 8 such envelopes and annas 8 and pies 9 for each single envelope

Air Mail Postcards.—Air mail postcards for foreign correspondence with an air mail stamp of 4 anna denomination and a blue air mail label printed thereon are available at all important post offices for sale to the public at the face value These postcards can be used for communication to Great Britain and Northern Ireland, Italy, Greece, Egypt, Palestine, Iraq, Persia, Siam, French Indo-China, Malay States or the Dutch East Indies, or to any country served by ordinary mail route from any of the air ports situated in any of the countries mentioned above or by the Perth-Adelaide air service in Australia for which air mail correspondence is accepted These postcards will be accepted as fully prepaid with postage and air fee for transmission by Air from any place in India Air mail postcards cannot however be transmitted by air to any country in Africa beyond Egypt Postcards bearing stamps representing the air fee and postage, are accepted as fully prepaid for transmission by air from any air station on Indian internal air services

AIR MAIL PARCELS.

Air mail parcels for despatch by air from Karachi are accepted at such post offices in India as accept foreign parcels for despatch for any post office in Great Britain and Northern Ireland Air mail parcels for any other country or inland parcels for delivery in India are not accepted

The limits of weight and other conditions applicable to parcels by the ordinary route will apply to air mail parcels as well, except that the charges shall be on a half pound scale at the rates noted below which include the postage and air fee —

	Rs	As	P
For the first half pound	3	2	0
For every additional half pound or fraction thereof upto a weight not exceeding 11 lbs	1	14	0
For every additional half pound or fraction thereof above 11 lbs upto a maximum of 20 lbs	1	8	0

Insurance is not available

Each parcel must bear on the left-hand top corner of the address side a blue air mail label obtainable free of charge at any post office and must be clearly and conspicuously superscribed in ink above or below the blue label with the words "Karachi-Croydon," as parcels are not carried by Indian internal air services

INDIAN INTERNAL AIR SERVICES.

The following internal air mail services are operated weekly in connection with the Imperial Airways' air mail service

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(1) Indian Trans-Continental Airways, from Rangoon, via Akyab, Calcutta, Allahabad, Cawnpore, Delhi, Jodhpur to Karachi

(2) Tata Sons, Ltd—From Madras via Bellary, Bombay (or Poona), Ahmedabad to Karachi

(3) Indian National Airways—Weekly Services from Calcutta via Chittagong, Akyab, Bassein to Rangoon

Inland Articles.—Inland articles, both registered and unregistered (but not insured articles or parcels), are accepted for transmission by air between any air station on Indian internal air services mentioned above, Gwadur and Bahrain subject to the existing conditions applicable to inland articles No superscription regarding the route is necessary on inland articles A blue air mail label (obtainable free of charge at the post office) should be affixed to the article on the left-hand top corner of the address side Articles bearing a manuscript indication 'By Air Mail," instead of the Air Mail label, may also be posted but no responsibility can be accepted for any delay which may occur on account of this indication being overlooked by the Post Office staff The air fees on such articles have been fixed as shown, on page 72

AIR MAIL MONEY ORDERS.

Air mail money orders for transmission by the Indian internal air services or by the Indian section of the Indian Trans Continental Airways' service or by the Imperial Airways' air service between Karachi and Bahrein or by any combination of the above mentioned air services are accepted at such Indian post offices as accept ordinary inland money orders The limits of value and other conditions relating to ordinary inland money orders apply in the case of the Air mail money orders The remitter should write the words "By Air Mail" across the money order form and pay, in addition to the usual money order commission, the Air Mail fee of one anna for each money order irrespective of the amount

Ordinary sterling money orders can be sent by air mail to Iraq, Egypt and Great Britain and Northern Ireland and rupee money orders to Federated Malay States and Straits Settlements and to Sarawak The original money orders, in the case of countries in the West, will, like those despatched by the sea route have to be sent to Bombay The remitter should write the words 'By Air Mail' across the money order form and pay, in addition to the usual money order commission the air mail fee of annas 2 for each money order irrespective of its amount

FOREIGN SERVICES FROM INDIA

There is a weekly air mail service between Karachi and Croydon Mails from India for transmission by Air from any air station in India to (1) Kuwait, Basrah or Baghdad, (2) Haifa, (3) Cairo, (4) Athens, (5) Brindisi, (6) Paris and (7) London and bearing the superscription, e g, 'India-Iraq' 'India-Palestine,' 'India-Egypt,' 'India-Greece,' 'India-Italy,' 'India-France,' or 'India-England,' as the case may require,' are closed at Karachi every Wednesday morning The most expeditious route for each country in Europe is given below —

Air Route	Country of Destination
India-Greece **(Athens)**	Greece, Albania, Czechoslovakia, Jugoslavia, Hungary, Austria, Bulgaria, Roumania and Turkey in Europe

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Air Route.	Country of Destination
India-Italy (**Brindisi**)	Italy and Sicily, Malta, Switzerland, Germany, Luxemberg, Holland, Denmark, Norway, Sweden, Esthonia, Russia, Poland, Danzig, Southern France, Spain, Portugal, Lettonia and Lithuania
India-France (**Paris**)	Northern France, Belgium and Finland
India-England (**Croydon**)	Great Britain and Northern Ireland, Irish Free State

The superscription on articles for those countries should be according to the Air route to be followed, as given above The air port at which the mails will be discharged is indicated in brackets

DUTCH AND FRENCH AIR MAIL SERVICES.

Correspondence, both registered and unregistered, for Siam, the Malay States, the Straits Settlements and the Dutch East Indies, Japan, Phillippine Islands and Sarawak, are accepted for transmission by air by the Dutch (K L M) Air Service

Correspondence for Siam, French Colonies in Indo-China, Hongkong and China are also accepted for transmission by air by the French (Air Orient) Air Service

The route should be superscribed prominently as indicated below from India or Burma.—

For Siam—	"India-Siam."
For Malay States and Straits Settlements, Japan, Phillippine Islands and Sarawak	"India-Malaya,"
For Dutch East Indies—	"India-Dutch East Indies."
For French Indo-China Hongkong and China—	"India-Indo-China"

AIR SERVICE TO SOUTH AFRICA.

Correspondence for (1) Uganda, (2) Kenya, Tanganyika Territory and Zanzibar, (3) Belgian Congo, Rhodesia (Northern and Southern), and Portuguese East Africa and (4) the Union of the South Africa are accepted for despatch by air from any aerodrome in India The subscriptions should be as follows —(1) For Uganda—"India-Uganda," (2) For Kenya and Zanzibar—"India-Kenya," (3) For Tanganyika territory—"India Tanganyika," (4) For Belgian Congo, Rhodesia and Portuguese East Africa—"India-Rhodesia", (5) For Union of South Africa—"India-South Africa"

The superscription, in the case of articles intended for despatch by Air from Karachi should be "Karachi-Kenya and Uganda," or "Karachi-Rhodesia," etc as the case may be, while those despatched from Delhi, Jodhpur or Hyderabad (Sind) should be superscribed "India-Kenya Uganda," or "India Rhodesia," etc according to destination

PERTH-ADELAIDE AIR SERVICE.

This is a weekly Air Mail service between Perth and Adelaide Mails from India for transmission by Air from Perth to Adelaide and bearing the superscription "Perth-Adelaide" are closed at Dhanushkodi on Friday to connect with the P & O or Orient Line steamer leaving Colombo each week The air mail is due to leave Perth (Western Australia) shortly after the arrival of the alternate P & O and Orient Line mail services from Europe at Freemantle

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The Air fee which must be prepaid in full is 3 annas per article per half ounce Air mail postcards, or other postcards bearing postage stamps to the value of 4 annas representing the postage and the air fee, are accepted as fully prepaid for transmission by the Perth-Adelaide Air service

AIR MAIL FEES AND POSTAGE.

Inland Articles

For a postcard .	9 pies
For a letter or packet	One anna for a weight not exceeding half a tola, two annas for a weight exceeding half a tola but not exceeding one tola and two annas for each succeeding one tola or part thereof

The above air fees are payable in addition to ordinary postage and the registration fee in the case of a registered article

Foreign Articles

Postcard	2 annas
Letters to Egypt, Great Britain and Northern Ireland, Malay States and Straits Settlements and all British Colonies and possessions	2½ annas for the 1st ounce and 2 annas for every additional ounce or part of that weight
Letters to Iraq, Palestine, Greece and all other non-British countries in Asia, Europe, Africa and America	3½ annas for 1st ounce and 2 annas for every additional ounce or part of that weight

Registration fee is 3 annas per article irrespective of destination

The full air fee on foreign articles using both the Indian State air service and the Karachi-England air service or Madras Karachi air service will be —

India Iraq	4 as	plus postage
India Palestine	4 as	"
India-Egypt	4 as	"
India-Greece	6 as	"
India Greece—Germany	8 as	
India-Italy	6 as	
India-France	6 as	
India-England	6 as	
India-Uganda	8 as	
India-Kenya	8 as	
India-Tanganyika	8 as	
India-Rhodesia	10 as	
India-South Africa	10 as	
India-Siam	3 as	
India-Malaya	4 as	
India-Indo China	4 as	
India-Dutch East Indies	6 as	"
India-Persia	3 as	"
Perth-Adelaide Service	3 as	"
India-Sudan	6½ as	"

In addition to the ordinary foreign postage to destination and registration fee in the case of registered articles

Telegrams by Air Mail.

The charges payable on such telegrams and calculated at the Indian inland rates plus the air mail fee in addition to the usual letter postage The registration charges are to be paid extra

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RAILWAY INFORMATION.

RAILWAY development in India dates back to 1853 when the Great Indian Peninsula Railway constructed their first line extending from Bombay to Kalyan Since then the mileage of Indian railways has recorded steady increases till this now stands at about 43,000 miles of which 21 131 miles are of broad gauge and 17,653 of metre gauge The capital at charge on the 31st March 1933 of State owned railways was 786 15 crores of rupees of which Rs 5,00 07 crores appertain to lines worked by the State and 286 98 to lines worked by companies

Management—Considerable diversity is met with as regards the relation between the State to the various lines so far as ownership and control are concerned Five of the lines, viz Eastern Bengal Railway East Indian Railway (with which has been amalgamated the Oudh and Rohilkhand Railway from 1st July 1935) Great Indian Peninsula Railway, North Western Railway (Sind Punjab and Delhi Section) and Burma Railway are at present owned and worked by the State These extend over 31 670 miles and of them 19 137 miles are managed directly by the Railway Board Five lines viz Bengal Nagpur Railway Bombay Baroda and Central India Railway Madras and Southern Mahratta Railway, South Indian Railway (standard gauge) Assam Bengal Railway are state owned lines but under the management of companies Of these M & S M Railway will shortly come under direct state management Jodhpur Hyderabad Railway Lucknow Bareilly Railway Coonoor Ootacamund Railway, Travancore (British Section) Railway, Travancore (Indian State Section Railway) Tirhoot Railway, are State lines but are worked by Companies on behalf of the State on a guarantee basis of interest vouchsafed by the Government Besides these there is a network of Branch line Companies Railways either working on Guarantee Terms, or Rebate Terms or under Guarantee and Rebate Terms combined or subsidised by the Government of India or the local Governments unassisted Companies lines, District Board lines or lines subsidised by District Board Indian States lines Companies lines guaranteed by the Indian States lines in foreign territory worked by British Indian Railway Companies etc

Railway Finance.—In order to relieve the general budget from the violent fluctuations caused by the incorporation therein of the railway estimates and to enable railways to carry out a continuous railway policy based on the necessity of making a definite return to general revenues on the money expended by the State on Railways, the railway finances were separated from the general finances of the country since 1924-25

Under the separation convention, railways were liable to make a contribution to general revenues which amounted on the average to a net payment of Rs 6 crores a year Of the eleven years that have elapsed since the separation of railway revenues from the general revenues of India, the first six were prosperous years After paying interest charges and putting by a net sum of Rs 12 crores in the Depreciation Fund after meeting such of the expenditure on renewals and replacements as is chargeable under rules, to the Fund, the total surpluses amounted to Rs 52½ crores During the next five years the position

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was very different There were successive deficits of Rs 5 19, Rs 9 20, Rs 10 23 Rs 7 96 crores and Rs 5 06 crores, during the years ending 1934 35 During the period of prosperity, Railways met all their liabilities, and even in 1930 31, the first year of depression, they contributed 5¾ crores to general revenues This contribution was, however, met from accumulations in the Railway Reserve Fund In all, during this period, after meeting all their liabilities, Railways contributed 42 crores to general revenues After 1930 31, Railways have made no contribution to general revenues and have only been able to meet working expenses and interest charges by borrowings from the depreciation fund The total amount borrowed from this fund up to the end of 1934 35 was 27½ crores and the actual balance in that fund had been reduced at the end of that year to 9¹ crores It should be noted, however that since the contribution to general revenues has ceased Railways have taken over the responsibility for loss on strategic lines—about 2 crores per annum

The **gauges** of the Indian railways may be chiefly classified under three heads —Standard (5 ft 6 in) gauge metre (3 ft 3⅜ in) gauge, and Narrow (2 ft 6 in and 2 ft) gauge

Mileage—The mileage open to the Indian Railways on March 31, 1935 was 43,021 miles as against 42 815 miles on March 31 1932 and 42,281 miles on March 31 1931

Railway Earnings—The earnings of State owned lines increased from Rs 86 crores in 1933 34 to Rs 90 crores in 1934 35 representing an increase of about Rs 4 crores which was chiefly attributable to the increase in the earnings from goods traffic The total earnings of all railways including those with which the Government of India is not directly concerned amounted Rs 103 crores, of which Rs 65 crores (about 63 per cent) were from goods traffic, Rs 30 crores (20 per cent) from passengers traffic and Rs 8 crores (8 per cent) from parcels, luggage and other miscellaneous items

The earnings under passenger and miscellaneous sources showed an improvement of a quarter crore and the balance of Rs 2¾ crores was under goods earnings The increase under goods was due chiefly to the improved earnings from coal gram, pulses, and other grains, metallic ores rice, provisions and wheat This was counterbalanced by a considerable fall under oil seeds

Working Expenses.—The working expenses of the Indian Railways during the last four years follow 1929 30 Rs 55 92 crores, 1930 31, Rs 55 81 crores 1931-32, Rs 49 80 crores, 1932 33 Rs 49 08 crores, 1933 34 Rs 49 50 crores, 1934-35 Rs 50 10 crores

Capital—The total capital at charge on all railways including those under construction amounted to Rs 885 crores of which Rs 795 crores pertaining to State-owned railways inclusive of premia paid in the purchase of companies lines

Stores Purchased—The value of stores purchased by class I Railways (excluding the Jodhpur and His Exalted Highness the Nizam's State) increased from Rs 11 97 crores to Rs 14 13 crores Of the total increase of Rs 2 16 crores 83 lakhs were under imported materials and Rs 133 lakhs under indigenous materials

Stores Balance—The total stores balance at the end of 1934-35 amounted to Rs 9 crores, a record of low figure reached in recent years The total sum paid in the year as compensation for goods lost, or damaged, on important railways was about Rs 3 lakhs, as compared with Rs 1,20 lakhs in 1922-23 and about Rs 11 lakhs in 1928-29

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New Construction and Engineering Works—A total length of 71 miles was opened during 1934 35 There were 139 miles under active construction on 31st March, 1935

Rolling Stock and Materials.—The policy of replacing old engines of low tractive effort by high power modern locomotives was continued and at the end of the year the average tractive effort per steam engine had increased from 25,262 lbs to 25,531 lbs on the broad gauge and from 14 906 lbs to 15,033 lbs on the metre gauge

State Railways Earnings—The earnings of State owned lines increased from Rs 86 crores in 1933-34 to Rs, 90 crores in 1934 35 The following figures show the gross earnings of the principal State owned Railways during the year 1934 35 as compared with the corresponding periods of the four preceding years —

	1930 31	1931 32	1932 33	1933 34	1934 35
		(in lakhs of rupees)			
A B Ry	1 96	1 80	1 57	1 69	1 79
B N Ry	8 06	7 24	6 90	7 70	8 01
B B & C I Ry	10 82	10 23	10 22	10 67	11 04
Burma Ry	4 23	3 74	3 31	3 57	3 73
E B Ry	5 78	5 02	4 90	5 08	5 33
E I Ry	18 28	17 35	17 29	17 77	18 64
G I P Ry	13 27	11 84	11 95	12 21	12 04
M & S M Ry	7 88	7 59	6 65	6 88	6 72
*N W Ry	16 32	14 63	13 96	14 53	14 91
S I Ry	5 88	5 39	5 29	5 14	5 26
Tirhoot & Lucknow Bareilly Ry	1 80	1 72	1 82	1 77	1 87

Wagons Loaded.—The following shows the number of wagons loaded in respect of the following commodities on the broad and metre gauges of the Class I Railways —

	1931 32	1932 33	1933 34	1934 35
	(No of Wagons Loaded)			
Coal and Coke	972 466	896 522	954 501	1 067 271
Grains and Pulses	800 515	721 075	784 084	807 750
Oilseeds	225 312	199 382	254 617	225 726
Cotton	114 400	138 727	171 214	177 922
Miscellaneous Small	1 426 339	1 502 483	1 599 593	1 623 769
Miscellaneous Full Wagons	2 164 150	2 178 009	2 404 523	2 565 528

Railway Rates Advisory Committee.—The committee has been constituted to investigate and make recommendation on (3) complaints of undue preference, (b) complaints about unreasonableness of rates, (c) complaints of disputes about terminals (d) complaints about death of seasonable facilities, etc The headquarters of the Committee are at Calcutta

RAILWAY SYSTEM IN INDIA.

Indian Railways are grouped under 3 classes —

CLASS I—The Indian railways with annual earnings exceeding Rs 50 lakhs of rupees belong to Class I A list of the Class I railways and the tracts these traverse follow —

Assam-Bengal Railway.—It is wholly metre gauge This serves mainly the province of Assam and a part of Eastern Bengal The main

* The earnings of the Southern Punjab Railway Company's lines acquired by the State on 1st January, 1930 have been included in the N W Ry's figures for 1930-31 and 1931-32

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line runs from Tinsukia Junction to Chittagong There are a number of feeder lines to serve Silchar, Gauhati, Jorhat, Dibrugarh, Tejpur, Noakhali and Mymensingh areas and also the interior of Chittagong district It connects with East Bengal Railway at Mymensingh, Pandu and Tangi, with J P Railway at Mariani and Titabar and with D S Railway at Tinsukia

Figures of working of the system during 1934 35 —Route mileage 1,306,41, Number of passengers carried 10 242,766, Tonnage of Goods carried 1,883,240, Freight earnings (a) Coaching Rs 63,71,207, (b) Goods 1,14 47,009, Gross earnings 1,92,08,013, New lines opened nil, Stores purchased 26 71,000, Working expenses 1,42,69,939

Head Office —Chittagong

Bengal-Nagpur Railway.—It traverses tracts with rich deposits of minerals and operates about 3,500 miles of line One main branch of the Railway runs from Howrah to Nagpur where it joins the G I P lines, thus serving the eastern half of the Central Provinces Bihar and Orissa Western Bengal etc Another main branch of the Railway proceeds up to Waltair in the Madras Presidency, branching off at Kharagpur A secondary main line runs to the Bengal Coalfields connecting with the East Indian Railway at Asansol Gomoh Barkakhana and Chandrapura Among the branch lines mention may be made of Purulia Lohardaga, Sini Asansol Kanhan Ramtek, Amda Gua, Jharsuguda Sambalpur Katni Pilispur, Anuppur Chirmiri, Abhanpur-Rajim, Raipur Dhamtari Raipur Vizianagram Adra Gomoh Gondia Chanda-Nagpur, Itwari Chhindwara Tumsar Tirodi Khurda Road Puri Cuttack-Talcher, Mayurbhanj and Parlakimedi Light Rly, etc The most important junctions with the E I Ry are Howrah, Asansol Gomoh and Barkakana with the G I P Ry are Nagpur Itawari, Karni and Jubbulpore, with the M & S M Ry is Waltair

Areas served are different parts of Bengal Bihar and Orissa Madras and the Central Provinces

Main workshops are situated at Kharagpur and Headquarters of the Controller of Stores at their offices in Garden Reach, Calcutta

Figures of working for the system during 1934 35 follow —Route mileage 3 396 17, number of passengers carried 19 124 884, amount of goods carried 15 495 000 tons Freight earnings (goods only) Rs 5 98 05 000 Gross earnings (credits for released materials not included) Rs 8 07,92 542 new lines opened nil gross expenditure (including steam boat but with credit for release materials being deducted) Rs 5 08 45,621

Bengal and North Western Railway—It is the only big Indian line that is not based upon one or other of the four principal cities—Delhi, Bombay, Calcutta and Madras Its system, constructed throughout on the metre gauge traverses some of the richest and densely populated parts in Northern India and taps at several places the independent State of Nepal This connects Bihar with Bengal on the one hand and the United Provinces on the other The principal line extends from Katihar on the E B Ry to Cawnpore in the United Provinces The other branch lines consist of Mokameh Ghat to Sonepur via Muzaffarpur, Chapra to Benares Cantt Gorakhpur to Gonda, Shahganj to Ballia, Narkatiganj to Darbhanga, etc, etc It joins the Rohilkhand and Kumaon Railway at Sitapur and Lucknow and makes important connections with E I Ry at Mokameh Ghat, Cawnpur, Benares, Allahabad, Patna, Bhagalpur and Barabanki It joins the G I P at Cawnpore and Allahabad and B B & C I at Cawnpore again

Route mileage 2,108, No of passengers carried 28,883,333, amount of goods carried in tons 4,556,752; Freight earnings (Goods) 2,05,27,927;

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(Coaching) 1,36,99,122, Gross earnings 3,45,35,915, New lines opened Nil Any important change in fares and Goods Tariff) Special rates for sugar quoted to Port stations

Bombay, Baroda and Central India Railway—It is the largest of the Company-managed Railways in India and operates over 3692 3 miles of line of which 1,259 6 miles are broad gauge, 2,208 5 miles metre gauge and 224 2 miles narrow gauge during 1934 35 This serves the northern half of the Bombay Presidency, Central India and the Southern portion of Rajputana The main line runs from Bombay to Delhi through Surat, Broach, Baroda, Dohad, Kotah, Muttra, etc The Southern section of the Railway runs from Bombay to Viramgam and Kharaghoda via Ahmedabad, while the northern section of the Railway extends through Rajputana to Delhi There are also other important Branch Lines as Ajmer-Khandwa, Rewari Fazilka, Agra-Cawnpore, Surat Amalner, etc, etc The Railway has junctions with G I. P Railway, N W Rly, E I Railway and thus connects Bombay with the rest of India It joins Jodhpur Railway at Marwar Junction and thus forms part of a through route between Bombay and Karachi

This Railway provides the shortest and quickest route between Bombay, Delhi and Northern India and the Frontier Mail a daily service de luxe, is one of the fastest and the best known long distance trains operating in the East It has its own workshops and Stores Depots in Bombay, with recently erected workshops at Dohad for the Broad Gauge system, and at Ajmer, the headquarters of the Metre Gauge system There are Locomotive Workshops where locomotives are constructed, Carriage and Wagon Shops, and a subsidiary Stores Depot

The results of the working of the Railways during 1934-35 follow — Route mileage, 3,692 3 miles, number of passengers carried, 831,31,500, weight of goods carried, 8,900,000 tons, freight earnings (a) coaching, Rs 4,55,75,000, and (b) goods Rs 69,671,000, gross earnings Rs 117,600 000, new lines opened, nil, total working expenses, Rs 6 81,86,000

Head Office —Church Gate, Bombay

Burma Railway.—The railway which is a metre gauge system with 2,000 route miles came under the direct management of the Government of India on January 1, 1929 It serves Upper and Lower Burma including the Southern Shan State The main line runs from Rangoon to Lashio to the North-east, to Ye-U to the North-west, to Ye to the South East and Bassein and Kyingin to the West and serves area round Moulmein, Pegu, Prome, Bassein, Henzada, Kyingin, etc

Results of working during 1934 35 follow — Route Mileage 2059,89, No of passengers carried 20,736,081 (Tons) of Goods carried 4 174,624, Freight earnings (Goods traffic only) Rs 2,65,50,174, Gross earnings Rs 3,78,32,623, New lines opened Nil, Stores purchased 68,99,000, Gross expenditure (exclusive of interest charges) 2 85,11,843, Gross expenditure (inclusive of interest charges) Rs 4,35,33,375

GOODS TARIFF —The Rice and Paddy rates from stations Myingatha to Myitkyina to Rangoon were reduced, with effect from the 28th March 1934, to the level of the Shwebo rate which was also applied to stations north of Monywa The rates for Rice and Paddy in bookings from Kamase, Yitkan, Onhne and Thetkala were also reduced from the 1st December 1934

COACHING —1st and 2nd class passenger fares on this service between Rangoon-Ywama-Mingaladon cantonment and Thingyangyun were reduced from 18 pies and 9 pies per mile to 12 pies and 6 pies per mile respectively with effect from the 1st April 1934 The passenger fares for all classes in local bookings on the Mandalay-Lashio and

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Thazi-Shwenyaung section were, as an experiment reduced by 33⅓ per cent with effect from October 1, 1934

Head Office —Rangoon

East Indian Railway—This is in point of route mileage the second largest of the Indian Railway systems but so far as freight traffic is concerned it is the most important It serves the numerous cities of commercial, industrial, historical and religious importance in the Great Gangetic plain and serves as the outlet of the industrial quarters round Calcutta and the coal districts in Bengal and Bihar The principal line runs from Howrah to Ghaziabad in the United Provinces serving the Western parts of Bengal, Bihar and United Provinces The branch line linking Allahabad with Jubbulpur in the Central Provinces has now been transferred under the control of the Great Indian Peninsula Railway while the lines which were formerly managed by the Oudh and Rohilkhand Railway have been added to it The chief branch lines are —Howrah-Mokameh Loop line, Grand chord line, Barharwa-Bundel line, Patna-Gaya Branch, Moghal Serai-Saharanpur line, etc The Railway has junctions with the following railways N W Ry—Saharanpur, Meerut, Ghaziabad, B B & C I Ry—Agra East Bank, Farukhabad, Hathras Cawnpore, G I P Ry—Cawnpore, Chheoki, Jumna Bridge B N Ry—Howrah, Asansol, Pathardihi Bhaga, Katrasgarh, Barkakhana, Gomoh, B & N W Ry—Barabanki, Cawnpore, Jaunpur, Shahganj, Benares Cantt, Tarighat, Digha Ghat, Mokameh Ghat, Bhagalpur, E B Ry —Naihati, Manihari Ghat, R & K Ry—Bareilly, Moradabad, Lucknow

Workshops —This Railway's carriage and wagon shops are situated at Lillooah and Lucknow (Alambagh) and Loco shops at Jamalpur and Lucknow (Charbagh)

Head Office —Fairlie Place, Calcutta

Eastern Bengal Railway.—The areas served by the Railway are Eastern Bengal, the North Western portion of Assam and the Northern Gangetic plain in Bengal and Bihar to the foot of the Himalayas The important lines are Calcutta to Siliguri, Calcutta to Goalundo, and thence to Narainganj, Dacca, etc, Calcutta to Gauhati and Shillong via Parbatipur Junction, etc, etc The principal exchange points are at Naihati with the East Indian Railway, Katihar with the B & N W Railway, Mymensingh, and Pandu with the Assam Bengal Railway, Siliguri with Darjeeling Himalayan Railway, and Goalundo and Khulna with the river steamer services The company's Broad Gauge Locomotive, Carriage and Wagon Works are at Kanchrapara and Metre Gauge Locomotive, Carriage and Wagon Works at Saidpur

Figures for working during 1934-35 Route mileage 20,08,21 miles, No of passengers carried 36,579,000; Tonnage carried 6,287,000; Freight earnings Rs 3,27,11 lakhs, Total gross earnings Rs 5,58,14; New Lines opened Nil, Stores purchased Rs 78,01 lakhs, Any important changes in fares and goods rates Nil

Head Office —3, Koilaghat Street, Calcutta

Great Indian Peninsula Railway—This is the third largest railway in India with an approximate route mileage of 3,500. It is the first system in India to develop electrical traction It serves the Central portion of the Bombay Presidency, Hyderabad, Western half of the Central Provinces, Central India, lower parts of the United Provinces and some parts of Rajputana One line connects Bombay with Delhi, another with Allahabad, via Jubbulpore, another line extends from Bombay to Raichur via Poona while a fourth joins the Bengal Nagpur Railway at Nagpur The branch lines are —Dhond to Manmad; Itarsi to Jubbulpore, Katni to Bina; Kotah to Bina, etc The system

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makes important junctions with other railways B B & C I Ry,—Bombay, Amalner, E I Ry—Allahabad, Delhi, Agra, Cawnpore, N W. Ry—Delhi, B N Ry—Katni, Jubbulpore, Nagpur, M & S M Ry—Poona, Hotgi, Raichur, Nizam's State Railway—Balharshah, Wadi

Figures for 1934-35 follow —Route Mileage—Broad Gauge 34,82 93 miles, Narrow Gauge 244 36 miles, No of passengers carried 50,667,429, Tonnage of Goods carried 10,239,924 Tons, Freight earnings Rs 8,34 22,575, Gross earnings Rs 12,75,06,845, New lines opened Nil, Stores purchased Rs 1,10,39,000

Jodhpur Railway.—This is the shortest of Class I Indian Railways It serves the Eastern part of Sind and North-Western part of Rajputana It runs from Hyderabad (Sind) to Kuchaman Road via Luni Junction, Jodhpur, Pipar Road, Merta Road, Degana and Makrana Its branches are (1) Jhudo-Pithoro Loop, (2) Mirpur Khas-Khadro (in Sind), (3) Balotra-Pachpadra, (4) Samdari-Raniwara, (5) Marwar Junction-Phulad, (6) Jodhpur-Phalodi (Pokaran), (7) Pipar Road-Bilara (8) Merta Road-Merta City, (9) Merta Road-Chilo, (10) Degana-Sujangarh, (11) Makrana-Parbatsar At Chilo Junction and Sujangarh Junction it joins the Bikaner State Railway carrying traffic to Bhatinda and Hissar respectively At Kuchaman Road and Marwar Junction it joins the B B & C I Railway for traffic to Delhi and Bombay respectively The North-Western Railway joins the Jodhpur Railway at Hyderabad for traffic to Karachi At Phulad it joins the Udaipur Chitorgarh Railway for traffic to Udaipur

Figures for working of the system during 1934-35 —Route mileage 975 27, Number of passengers carried 3,790,477 Amount of goods carried 1 066,327 tons, Freight earnings Rs 59 25,912 Gross earnings Rs 1,07,100,739, New Lines opened Nil, Stores purchased Rs 16 76,610 Gross Expenditure Rs 55,59,812

Important changes in fares and goods tariff as under —

(a) Reduced rates for Iron or Steel Division B from Via Hyderabad (Sindh) for traffic from Karachi or Kiamari to certain stations on Jodhpur and Bikaner State Railways have been introduced during May 1935 so as to increase the imports of this commodity via Karachi Port in competition with other ports (b) Reduced rates for Cotton (raw) full-presed from stations in Sind to Bombay, Ahmedabad or Asarva, Howrah and Via Howrah for traffic to Fort Gloster and Bauria cotton Mills at Fort Gloster only have been introduced with the hope of placing the commodity at these places in competition with other cotton markets (c) Reduced rates for cotton seeds in wagon loads have been introduced from stations in Sind to Navsari Via Marwar Junction to increase exports of this commodity in competition with other markets in Central India (d) Reduced rates for Sugar from Khadro to several stations on this Railway and Via have been introduced to help this industry and to place the Sugar manufactured at Pritamabad at these markets in competition with that manufactured at Mills in Northern India (e) From 1 5 1935 reduced rates for wheat have been introduced from stations in Sind to Bombay via Marwar Junction with the hope of placing this commodity at competitive rates in the markets at Bombay

Workshops and Stores —Jodhpur Headquarters —Jodhpur

Madras and Southern Mahratta Railway—It affords direct communication between various places in the Madras Presidency, and in connection with other railways from direct main line through routes from Madras to Calcutta, Bombay, Upper India and to Mangalore and West Coast The chief lines run from Madras and Poona, and thus serve the Northern and Central parts of the Madras Presidency, a small

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part of Hyderabad and the Southern part of the Bombay Presidency and Mysore The important junctions are —S Ry—Dronachellam and Bezwada, G I P Rly—Raichur, Poona, Hotgi, B L Ry—Miraj; B N Ry—Waltair, S I Ry—Madras, Arkonam, Katpadi, Jalarpet; Mysore Railway—Bangalore, Arsikere, Birur, Bowringpet. Bhikjajur, Yelahanka, Yesvantpur

Figures for 1934 35 Route mileage —Broad gauge 1150 39, metre gauge 2079 64, total 3230 03, No of passengers carried 30,430 000, Tons of goods carried 5,582,000, Freight earnings Rs 459 95 Lakhs, Gross earnings Rs 747 10 lakhs, Gross expenditure Rs 443 11 lakhs, New lines opened 6 30 mile of extension from Kotipalli to Somagundam

Head Office —Park Town, Madras

Nizam's State Railway—This serves the Hyderabad State The system furnishes a direct through route between Madras, Delhi and the North The railway connects at three points with the G I P Ry, viz Wadi, Manmad and Balharshah It has two exchange points with M & S Ry at Bezwada (for Madras and Cocanada points) and at Dronachellam The chief lines are Wadi-Bezwada including mineral branch, Karepalli-Kothagudam, Kazipet-Balharshah, Vikarabad-Purli-vaijnath, Secunderabad Manmad, Purna-Hingoli Parbhani-Purli, Secunderabad-Dronachellam

Figures for 1934-35 —Route mileage Rs 1,348, No of Passengers carried Rs 7 997,000, Tonnage of goods carried Rs 2,238,000, Freight earnings Rs 2,10 06,000, Gross earnings Rs 2,13 99,000, New lines opened Nil, Stores purchased Rs 46,47,000

Important Alterations in Rates and Fares.—Special rates based at the minimum of one-tenth pie per maund per mile were quoted over the G I P, N S M S M, and S I, Railways from via New Delhi by the K B Railway route (Via Balharshah, Bezwada, Madras and Jalarpet) from 1st April 1934 A special rate of As 11 9 p per maund divided in mileage proportion from via New Delhi to via Dronachellam via Balharshah, based at 1/9th pie per maund per mile was quoted from 1st August 1934 in conjunction with the Great Indian Peninsula Railway Rates equal to 5th class O R and 4th class O R W/81 on country safety matches were quoted from Rotagaon to Via any junction on this Railway from 1st December 1934 Special reduced through rates for cotton seed were quoted from stations between Nizamabad and Rotagaon to Bombay (Via Manmad) from 15th November 1934

Head Office —Secunderabad (Deccan) Workshop Lallaguda

Mysore Railways:—The Government of Mysore reviewing the administration of Mysore Railways for 1933 34, observes that the percentage of working expenses during the year increased to 68 24, as against 67 79 in 1932-33 They consider that the working expenses are high, that there should be scope for considerable reduction, and insist that every endeavour should be made to reduce this percentage Working expenses during the year were Rs 22 34 lakhs, as against Rs 21 35 lakhs in the previous year an increase of Rs 99,000 Although revenue during the year was Rs 5 71 lakhs, as against Rs 3 84 lakhs in the preceding year, an increase of Rs 1 87 lakhs the percentage of working expenses increased to 68 24 from 67 79 in 1932-33 The length of the open lines worked both by the State and the Madras and Southern Mahratta Railway Company was 731 62 miles The gross earnings of the Company line amounted to Rs 37 41 lakhs, and after deducting the working expenses, the net receipts were Rs 8 98 lakhs as against Rs 10 92 lakhs The earning of the State line was Rs 32 59 lakhs, as against Rs 31 49 lakhs, and the traffic receipts showed an increase of Rs 11 lakhs

Dental Preparations: An excellent handbook on making Tooth Pastes, Creams, Powders, Cements etc, Re 1-8. Industry Book Dept., Calcutta.

North Western Railway—This is the longest railway in India and comprises over 6,500 route miles of lines It serves almost the entire portion of the Punjab, Sind, North West Frontier Provinces and Baluchistan The main line passes from Delhi to Peshawar Cantonment while others extend from Delhi to Karachi, via Lahore The important branches are —Bhatinda to Samastas, Ludhiana to Hissar Lahore to Amritsar, Ferozepur to Hoshiarpur, etc Junction is made with the East Indian Railway at Saharanpur, Meerut and Ghaziabad and with the Great Indian Peninsula Railway near Delhi The Bombay, Baroda and Central India Railway metre gauge line links up with the North-Western Ry at Delhi, Hissar, Bhatinda Fazilka and Kot Kapura The Bikaner and Jodhpur Railways connect it at Bhatinda and Hyderabad respectively

Head Office —Lahore

Rohilkund & Kumaon Railway Co, Ltd—This Railway runs from Lucknow to Kasganj on the B B & C I Ry passing through Sitapur Lakhimpur, Kheri, Gola Gokarannath, Pilibhit, Bareilly, Budaon and from Bareilly to Kathgodam the station nearest Naini Tal, the summer quarters of the U P Government It also serves by branch lines the area bordering Nepal also Shahjehanpur, Moradabad and Ramnagar at the foot of the hills

The open mileage is 571 miles The goods traffic handled is principally agricultural and forest produce

The administrative Headquarters are at Izatnagar just outside Bareilly where the Stores and Loco and Carriage and Wagon Shops are also situated

Head Office —Izatnagar, Bareilly

South Indian Railway—The system is well connected up and the new lines opened during recent years help to consolidate railway facilities in Southern India The main line extends from Madras to Rameswaram & Dhanushkodi while others are Madras to Mettupalaiyam Madras to Mangalore via Podanur, Trichinopoly to Erode, Madura to Tuticorin, Maniyachi to Trivandrum via Quilon, etc, etc There are connections via Dhanushkodi and Talaimannar with Ceylon The Railway has junctions solely with Madras and Southern Mahratta Railway, contact being made at Madras Beach, Jalarpet, Katpadi and Arkonam

Head Office —Trichinopoly

MINOR RAILWAYS IN INDIA

CLASS II—Those railways whose earnings exceed Rs 10 lakhs a year but are less than Rs 50 lakhs are —

Barsi Light Railway, Bengal-Dooars Railway, Bhavnagar State Railway, Bikaner State Railway, Darjeeling-Himalayan Railway, Dibru-Sadiya Railway, Gaekwar's Baroda State Railway, Gondal Railway, Howrah-Amta Light Railway, Jamnagar and Dwarka Railway, Junagad State Railway, Morvi Railway, Mysore Railway and Shahdara-Saharanpur Light Railway

CLASS III—The following are some of the railways whose earnings fall below Rs 10 lakhs a year —

Aden Railway, Ahmadpur-Katwa Railway, Arrah-Sasaram Railway, Bankura-Damodar River Railway, Baraset Basirhat Light Railway Bengal Provincial Railway, Bukhtiarpur-Bihar Light Railway, Burdwan-Katwa Railway, Cutch State Railway, Dehri Rohtas Light Railway Dholpur-Bari Railway, Futwah-Islampur Railway, Gwalior Light Railway, Howrah-Sheakhala Light Railway, Jagadhri Light Railway, Jessore-Jhenidah Railway, Jorhat (Provincial) Railway, Kalighat-Falta Railway, Kolar District (including Bangalore-Chik Ballapur Light Ry)

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Railway, Kulasekarapatnam Light Railway, Matheran Light Railway, Porbander State Railway, Tarikere Narasimharajapura Light Railway, Tezpore-Balipara Light Railway, Trivehore Light Railway, Udaipur-Chitorgarh Railway.

GENERAL RULES ON INDIAN RAILWAY

Railway Standard Time—Indian Standard time is 5½ hours in advance of Greenwich time, 30 minutes in advance of Bombay local time, 9 minutes in advance of Madras local time 24 minutes slower than Calcutta local time, 2 minutes in advance of Allahabad local time and 27 minutes behind Chittagong time

Breaking Journey.—Holders of local and through single journey tickets, for distances over 100 miles are allowed one day extra for every 100 miles, or part of 100 miles for the purpose of breaking their journey, if required No break of journey is allowed at a station short of 101 miles from the point the journey was commenced

The journey may be broken after travelling over 100 miles where desired, on the direct route (not at Branch line stations) so long as the time allowed is not exceeded

Passengers unable to use their Tickets—Passengers who have taken tickets at a station, but who from want of room in the train, or from sudden causes, cannot commence their journey, should before leaving the station apply to the station master, who will refund the fare on the tickets being given up If through want of room in the class for which tickets are held, passengers are compelled to travel in a lower class, the difference in fare will be refunded at destination, provided the guard of the train is informed before commencement of the journey

Free Allowance for Luggage—All passengers' luggage is weighed and the following quantities are allowed free of charge —

For each 1st Class Passenger	1½	maunds
" " 2nd Class Passenger	1	maund
" " Inter Class Passenger	30	seers
" " 3rd Class Passenger	25	seers

and half these quantities is allowed for each child's (half) ticket

Bedding, Walking sticks, umbrellas, Tiffin baskets, etc, are allowed free

Left Luggage—Passengers may place their luggage in charge of Station Master for temporary custody, giving a charge of 2 As per package, per maund or part thereof for 24 hours Charges for succeeding 24 hours are sometimes, e g, in case of E I R, made at half rate

Unbooked or partially booked luggage—When luggage in excess of the free allowance is found unbooked en route at destination, the whole is weighed and charged for and no free allowance is allowed Passengers, who have however booked a portion of their luggage and received the free allowance and who are subsequently found with additional luggage, are charged only on the weight of such additional luggage

Booking of luggage when breaking journey—(a) Passengers who intend to break journey at one or more stations enroute may either book their luggage to accompany them throughout, or book a portion of their luggage, or the whole direct to the station for which they have taken tickets

(b) Passengers who intend to break journey, and who require their luggage to accompany them should, when they book their luggage, inform the luggage clerk to which station or stations they wish to break their journey, in order that the names of such stations may be entered on the back of the luggage tickets

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Maximum weight and dimensions of parcels accepted for despatch —Over the Broad and Metre gauge lines a package exceeding 5 maunds in weight or 8 feet by 5 feet by 4 feet in outside measurement and over the Narrow gauge lines a package exceeding 3 maunds in weight or 4½ ft by 3½ ft by 3 ft in outside measurement will be accepted for carriage except by previous arrangement

Method of charging parcels—Parcels will be charged either by weight or by measurement whichever gives the greater charge one cubic foot being considered equal to five seers [illegible] fraction of a cubic foot will be charged as for one cubic foot

Rates for small parcels not exceeding 2½ seers in weight—When the weight does not exceed two and a half seers the charge will be one anna per 100 miles or fraction of 100 miles subject to a minimum charge of 5 annas and a maximum charge of one rupee

Rates for parcels exceeding 2½ seers in weight—Parcels exceeding 2½ seers in weight shall be charged at scheduled rates according to weight of the parcel on the through distance

Horses and Ponies are charged As 4 a mile for the first animal and 1 anna a mile for every additional animal despatched by the same consignor to the same consignee and from and to the same station subject to a minimum charge of Rs 10 per vehicle One Syce is allowed free with each animal

Bicycles and Tricycles (unpacked) accompanying the owner as luggage will be charged as 1 maund for bicycles and 2 maunds for tricycles no free allowance being allowed Packed bicycles etc are charged at luggage rates on actual weight

Booking of Goods, live-stock etc—Goods live stock etc are booked between all railway stations open for such traffic in accordance with the rates rules and conditions specified in the General Classification of Goods subject to the variations published in the Goods Tariffs of the railways concerned

Payment of charges—Except in the case of dangerous and other goods specially provided for in the General Classification of Goods or in Exception Lists for which prepayment of freight is compulsory all charges must be paid either when goods are presented for despatch or at the time of delivery and all goods are subject to lien not only for the freight wharfage demurrage and handling charges on the particular goods but also for any general balance which may be due to the Railway by the owner or consignor or consignee of such goods If the money in respect of which goods are detained be not paid they may be sold by auction in the case of perishable goods at once and in the case of other goods on the expiration of 15 days' notice of the intended auction and the proceeds applied in liquidation or reduction of the amount due and expenses

Right to correct charges on receipt notes—The weight description and classification of goods and quotation of rates as given in the railway receipt and forwarding note are merely inserted for the purpose of estimating the railway charges and the Railway reserves the right of re measurement re weighment re classification and re calculation of rates, terminals and other charges and correction of any other errors at the place of destination and of collecting any amount that may have been omitted or undercharges No admission is conveyed by a railway receipt that the weight as shown therein has been received or that the description of goods as furnished by the consignor is correct

Marketing of goods—(1) Every package in a consignment of goods before it will be accepted for carriage by rail, must be clearly marked by the sender with name initials or private mark for purpose of identi

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fication. Such name, initials or private mark must be shewn on the forwarding note

(ii) Bags and bundles of hides and skins and baskets of fruit or vegetables, vessels of oil or ghee bundles of iron bars or other goods that cannot be durably marked in the ordinary manner must have a leather, metal or wooden label attached to each bundle or article at the forwarding station by senders Bundles of silk, cloth, blankets and cumblies must have a patch of white cloth sewn on them by senders for Railway marks

Goods in bulk.—These rules do not apply to goods in bulk

Declaration of goods.—Every consignment of goods, when handed to the Railway for despatch, must be accompanied by a forwarding note which must be signed by, or on behalf of, the sender or senders, and must contain a declaration of the weight, description and destination (station and Railway on which situated) of the goods consigned

Fragile goods—The Railway can accept no liability for fragile goods, such as earthenware pots, glass bangles, cast-iron goods, etc, even when not covered by risk note when the damages are clearly due to bad or defective packing and not to ill usage or rough handling in transit

Notice of loss or damage—The Railway shall not be responsible for any damage to, or loss of property unless notice of such is given in writing to the Station Master before delivery and removal from the Railway's premises of the property or of the package or packages, the contents or parts of the contents of which are alleged by the claimant to be damaged or lost, or of the rest of the consignment, a portion of which is alleged by the claimant to be lost (as the case may be)

Time-limit of claims for compensation—No person shall be entitled to claim compensation for loss, destruction or deterioration of animals or goods delivered to be carried by the Railway unless a claim is preferred in writing to the Railway Administration within six months from the date of the delivery of the animals or goods for carriage by Railway

Time limit for refund of over-charges.—No person shall be entitled to a refund of an overcharge in respect of animals or goods carried by railway unless his claim to the refund has been preferred in writing by him or on his behalf to the Railway Administration (in the case of the Eastern Bengal Railway, to the Agent) within six months from the date of the delivery of the animals or goods for carriage by railway

Risk Notes—In all cases when goods or live-stock are conveyed at the risk of the owner, or on the understanding that the risk accepted by the Railway is limited to any extent the full value of the consignment, or the several sums prescribed in the Indian Railways Act IX of 1890, the consignor is required to execute a risk note

Value-payable system.—(a) Should mercantile firms and tradesmen desire to adopt the value-payable system, the following procedure may be followed —

A consignor should, in the forwarding note, shew the consignee as "self" Each package in the consignment should be marked with a distinctive private mark, which will also be recorded in the forwarding note, and railway receipt Different marks should be used for different consignment despatched to the same station Consignors are warned against shewing the intended consignee's name on any of the packages

On obtaining the railway receipt from the railway, the consignors should endorse it in favour of consignee by name, and make it over

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to the Post Office for delivery to the consignee on payment of the amount due.

GOODS TARIFF.

Freight calculations on goods carried on railways are made on them with regard to (1) volume of business in a particular commodity, (2) volume of traffic per consignment. (3) load per wagon for a consignment, (4) the value of the article, (5) continuity or regularity or otherwise of despatch, (6) the bulk and the proportion of the weight to bulk, (7) degree of risk involved, goods being carried at owner's risk (O. R.) or at railway's risk (R. R.), (8) any special facilities required, such as quick despatch as in the case of perishable goods.

The Indian General Railway classification of goods comprises ten classes, each with a scale of maximum and minimum rates and is in force in most of the railways. But goods are often carried at reduced commodity rates, either on the basis of fixed reduced schedules or at special lumpsum rates.

Whereas the maximum and the minimum rates are the same for all Indian railways there remains a wide margin between the two to enable each railway to regulate its charges within the maxima and minima limits.

The maximum and minimum rates for the ten classes into which the goods have been grouped are as follows:-

	Maximum pies per md. per mile.	Minimum pies per md per mile.
First	·38	·100
Second	·42	100
Third	·58	166
Fourth	·62	·166
Fifth	·77	166
Sixth	83	166
Seventh	·96	·166
Eighth	1 04	166
Ninth	1·25	·166
Tenth	1 87	·166

Exceptional rates for some commodities are charged on several lines, e g., cotton loose and half-pressed, wool loose and half-pressed are classed nine over G. I. P. lines while piecegoods, shawls, cotton thread, hosiery, flannel, etc., in bales, press packed and bound with iron bands or packed in boxes or cases are charged at 1 pie per maund per mile. Over the Eastern Bengal Railway hemp, flax, jute and tow, machine pressed, hand or power, unpressed are classed six while tea is classed nine.

Railway freights are charged either on the **Sliding** or **cumulative (telescopic) scale.** Under the former the lowest rate for the longer distance traffic applies on such traffic on entire distance from start to finish. But under the latter or the cumulative basis the rate for the shorter distance is in higher scale and is the same for both long and short distance traffic up to a certain distance, and it is for the distance in excess that the charges are on a lower basis, and the higher and lower rates are added together to form the rate for the entire distance on the long haul traffic under the cumulative basis.

The present classification of goods is regarded as out of date and has, in the course of time become an exceedingly complicated business. It is hampering the development of commerce, trade, industry. Interests of all kinds have long demanded reform. It is pleasure to note that

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the Railway authorities have taken up the work of revision in co-operation with commercial men

Maxima and Minima rates for the carriage of coal including coke and patent fuel, exclusive of a surcharge of 12½ p c., subject to a maximum of Re. 1 per ton.

The following is the scale of maximum and minima rates for the carriage of coal including coke and patent fuel for the public exclusive of a surcharge of 15 per cent generally imposed on coal subject to the condition laid down in the footnote —

Maxima Rates

		per maund per mile
(I)	In wagon loads at O R	
	(a) For distances upto 400 miles —	
	For the first 200 miles	0 165 pie
	Plus for extra distance above 200 miles and upto 400 miles	0 150 ,,
	(b) For distance above 400 miles —	
	For the first 400 miles	0 15 ,,
	Plus for the distance in excess of 400 miles	0 10 ,,
	The above rates are subject to the Differential Rule	
(II)	In consignments of less than in wagon loads at O R	
(II)	In consignments of less than in wagon loads at O R	⅓ pie
(III)	In wagon loads at R R	38 ,,
(IV)	In consignments of less than in wagon loads at R R	

Minima Rates

For distances up to 300 miles	0 10 ,,
Plus for any distance in excess of 300 miles and up to 500 miles, inclusive	0 066 ,,
Plus for any distance in excess of 500 miles	0 05 ,,

The surcharge does not apply in the case of (1) soft coke and (2) coal and coke consigned to Howrah and Calcutta, and (a) exported thence by sea to any port foreign or Indian, or (b) loaded for bunkering in the sea-going vessels within the limits of the port of Calcutta

Programme Ahead.

According to the Railway Budget for 1935-36, the sum of Rs 10¼ crores is being set apart for works expenditure Of this Rs 25 lakhs is for new construction which is practically confined to the Megna Bridge In view of the fall in traffic, it is proposed to purchase only 750 general service wagons this year Practically all the other works are in the nature of replacements and improvements of the open line, such as renewals of track for which 5 crores have been provided for, strengthening of bridges for which the Railway Board are likely to require ¾ crore, and rolling stock, on which the Board expects to spend a little under 3¼ crores

It is estimated that to-day Railways are losing Rs 3 crores of revenue to the roads per annum So far the loss has mainly been on passenger traffic, but signs are not wanting that valuable goods traffic, such as piecegoods, is being lost to the roads This process must continue unless there is a reconsideration of the present road and motor transport policy At present much of the money available for roads is being spent on the improvement or reconstruction of roads in competition with Railways, and yet there are in the aggregate vast areas in India which have no means of modern transport either by road or by rail Then, apart altogether from road transport, river and sea competition has been intestified in the past few years

Inventions of To-day makes your information up-to-date. As. 4.
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SHIPPING INFORMATION.

THE coastal and overseas trade of India which runs approximately to 460 crores of rupees annually permits of operation by a large number of shipping companies both Indian and foreign

Tonnage Entered and Cleared—During the year ended March 1935 the tonnage of vessels engaged in foreign sea borne trade of India entered and cleared with cargoes amounted respectively to 7,940 000 and 8,227,000 as against 7,300,000 and 7,717,000 in 1933-34, 7,903 000 and 7,805,000 in 1932 33 and 8 367,000 and 8,185,000 in 1931-32 During the same year the tonnage of vessels engaged in coasting trade of India entered and cleared with cargoes amounted respectively to 27,206,000 tons and 27,128,000 tons as against 25, 69 000 tons and 25 958 000 tons in 1933 34

The principal lines operating in the Indian waters including the sea line and beyond the seas are given below with their chief routes —

COASTAL AND INLAND SHIPPING

Asiatic Steam Navigation Co Ltd., (A. S. N C)—Regular sailings to Chittagong, Rangoon, Moulmein, Port Blair (Andamans), Colombo and Bombay (Via Coast ports), Sumatra and Java Ports Managing Agents —Turner Morrison & Co Ltd, 6, Lyon's Range, Calcutta

Bengal Assam Steamship Co Ltd—Maintains a service of steamers and flats for the transport of produce, principally jute, on the rivers of Bengal and the Eastern Districts Mng Agents—Andrew Yule & Co Ltd, 8, Clive Row, Calcutta

Bengal River Service Co Ltd—Ply regularly with cargo barges between Calcutta and Eastern Bengal Agencies —Dacca, Narainganj, Mukadim, Bhairab, Chandpur, Madaripur, Charmuguria, Khulna, etc Office —4, Clive Ghat Street, Calcutta

Bengal Steam Navigation Co, Ltd—Sailings from Calcutta to Madaripur Lohajung, Narayanganj, Bhairab and intermediate stations and vice versa Mng Agts — Murali Dha Ray & Bros, 16, Banamali Sircar Street, Calcutta

Bombay Steam Navigation Co, (B. S. N C.)—The company has headquarters at Bombay Their principal routes are from Bombay to Mangalore (412 miles) via Mormugao and from Bombay to Kiamari (Karachi (546 miles) Via Porbandar, touching at the more important ports on way The steamers of the Company ply on the following lines, calling at intermediate ports —Bombay—Mangalore Calicut, Bombay—Karachi, Bombay—Gulf of Cutch, Bombay—Bhavnagar, Bombay—Nahara, Bombay—Dharamtar, Bombay—Dabhol, Bombay—Harnai, Bombay—Viziadurg, Bombay—Panjim (Goa) Agts —Killick Nixon & Co 100, Frere Road, Bombay

British India Coastal Line.—Works in conjunction with Peninsular and Oriental Steam Navigation Co Regular sailings from Calcutta to Rangoon, Straits, China, Japan, Madras, Coromandel Coast, Ceylon, Tuticorin, Malabar Ports, Bombay, Bhavnagar, and Karachi, Mauritius, Fremantle, Adelaide Melbourne and Sydney, from Bombay to Karachi Via Port Okha and Cutch, Mandvie, and Basrah, Malabar Coast Ports, Tuticorin, Ceylon, Coromandel Ports, Calcutta or Rangoon, also to East

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and South Africa, from Karachi to Bombay, Basrah, Madras Coast Ports, Malabar Ports, Coromandel Coast Port, Tuticorin, Colombo, Calcutta, from Chittagong to Akyab, Kyaukpyu, Andrew Bays, Rangoon, etc, also regular sailings from Madras and Burma Agts —Mackinnon Mackenzie & Co, 16, Strand Road, Calcutta or McLeod Road, Karachi or Ballard Road, Fort, Bombay, Bulloch Bros & Co, Ltd, Rangoon; Pipley & Co, Calingapatam and Baruva, Coromandel Co Ltd, Vizagapatam, also at Cocanada, Bimlipatam, Kendupatna, Gopalpore, Puri, Cuttack

Calcutta Steam Navigation Co, (C S N. Co.)—The principal lines are Calcutta to Ghatal (touching at Geokhali and Ranchuck), Calcutta to Katwa, Calcutta to Islampur, Calcutta to Kagdip, Kagdip to Geokhali, Tumluk to Ranchuck, Jangipur and Raghunathganj to Dhulian, Calcutta to Etamugra etc Some of these lines or parts of some of them are not navigable except during the rains The agents of the Company are Hoare Miller & Co Ltd, 5, Fairlie Place, Calcutta

East Bengal River Steam Service Ltd—Sailings from Calcutta to Dacca, Chandpur, Narayanganj, Kamlaghat and Bhairab Agents — Rajah Sreenath Ray & Bros 87, Shova Bazar Street, Calcutta

India General Navigation and Railway Co. Ltd., I G. N. & Rly Co. Ltd.) and Rivers Steam Navigation Co Ltd—Operate Goods Services between Calcutta to Eastern Bengal and Assam on the one hand and Bihar and United Provinces on the other The most important of their lines are Goalundo Ghat to Dibrugarh (656 miles), Calcutta (Armenian Ghat) to Silchar Ghat (790 miles), Calcutta (Armenian Ghat) to Sylhet Ghat (805 miles), Goalundo Ghat to Korantadi (540 miles), Khulna Ghat to Dacca (204 miles), Narayanganj to Bhairab and Markuli (Kadirganj), Markuli to Chhatak and Sylhet Among the other lines run by the Companies are Dacca-Porabari, Sylhet-Badarpur, Khulna-Madaripur, Khulna-Magura, Khulna-Rupganj, Khulna-Elachur, Khulna-Chukinagar, Khulna-Boalmari, Barisal-Tarpasa, Barisal-Patuakhali, Hularhat-Bagerhat Markuli-Fenchuganj, Goalundo-Narayanganj, Goalundo-Chandpur, Chandpur-Narayanganj, Lalgola-Malda, Digha-Burhaj, Amingaon-Kokilamukh, Goalundo-Bahadurabad, Bahadurabad-Gauhati, etc, etc The regular Services from Calcutta are Assam Cargo, Cachar Cargo, Narayanganj Cargo proceeding via Chandpur and Dacca to Narayanganj, Delta Cargo to Delta Stations Via Khulna, Charmugria to Tarpassa, and Jhalakati to Barisal, Cachar Sunderbans to Silchar and Sylhet, and Ganges Despatch to Gogra Stations and Buxar Kilburn & Co, Managing Agents I G N & R Co Ltd, 4, Fairlie Place, Calcutta and Messrs Macneill & Co, Agents, R S N Co Ltd, 2, Fairlie Place, Calcutta

Indian Co-operative Navigation & Trading Co, Ltd—Steamers of the Company ply between Bombay and Panjim touching intermediate ports Office —Keshari Bldg, 149, Frere Road, Bombay, No 3

Indo-Burma River Steam Navigation Co. Ltd.—Sailings from India to Burma and vice versa Agts —Chowdhury Bros & Co, Well Street, Akyab

Irrawaddy Flotilla Co, Ltd.—Carry passengers and cargo from Rangoon up the Irrawaddy as far as Bhamo (1,028 miles), up the Chindwin as far as Homalin (1,006 miles), and also to Bassein (176 miles) Every important centre is served by this Company which also operates in Moulmein inland waters The Main lines are Rangoon-Prome-Mandalay, Mandalay-Katha-Bhamo, Pakokku-Mawlaik-Homalin, Rangoon-Bassein, and throughout the Delta Creeks

Malabar Navigation & Industrial Ltd.—The Company runs regular services from Ernakulam to Quilon, a distance of 91 miles, via Alleppey.

Trade Terms & Abbreviations: Unique collection alphabetically arranged
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Another service runs between Cochin and Alleppey (42 miles) Both steam launches and country crafts are available

Merchant Steam Navigation Co.—Charterers and carriers of cargo Office —Mandvi No 3

National Steam Service.—The company carries passengers between Goalundo and Rajbari Office —Goalundo, Faridpur

Scindia Steam Navigation Co. Ltd.—The biggest Indian-managed shipping company having fortnightly services between Rangoon, Bombay, Karachi via Malabar, Rangoon, Madras, Colombo, Calcutta and Karachi via coast ports, and Rangoon and Calcutta, according to demand Agts —Norottam Morarjee & Co, Ballard Estate, Bombay Branch —Rangoon, Akyab Calcutta, Calicut, Karachi Agents at Moulmein, Bassein, Chittagong, Puri, Vizagapatam, Bimlipatam Cocanada, Madras, Pondicherry, Cuddalore, Negapatam, Jaffna, Point Pedro, Galle, Colombo, Pambam, Tuticorin Trivandrum, Quilon Alleppey, Cochin Marmugao

OVERSEAS SHIPPING

American & Indian Line—Regular direct service to Halifax, N S, Boston, New York, Philadelphia, Baltimore and Norfolk via Colombo Aden and Port Sudan Agts —Gladstone Wyllie & Co, 4, Fairlie Place, Calcutta, Best & Co, Ltd, Madras, Forbes, Forbes, Campbell Co, Ltd, Karachi and Bombay

Anchor Line.—Direct sailings from Bombay to Suez, Port Said, Marseilles and Liverpool Agents—Karachi, Calcutta Bombay, Grahams Trading Co (India) Ltd

Anchor Brocklebank Line—Regular sailings from Calcutta and Colombo (via Suez and Port Said and with liberty to call at Port Sudan) to London, Hull, Middlesboro, Leith, Dundee, Glasgow, Aberdeen, Greenock, Liverpool, Manchester, Swansea, Avonmouth, Southampton, Antwerp, Hamburg, Rotterdam, Bremen, Amsterdam, Barcelona, Valencia, Alicante, Gibraltar, Bilbao, St Nazaire, La Palice, Boulogne, Dieppe, and other U K and Continental Ports as required Agts — Grahams Trading Co (India) Ltd, Grahams Building, Fort, Bombay, 6, Lyons Range, Calcutta and McLeod Road, Karachi, Best & Co. Ltd. 1st Line Beach, Madras, Turner Morrison & Co 6, Lyons Range, Calcutta

Andrew Weir & Co.—Direct service to West Coast, South America, taking cargo for Chilean and Peruvian Ports Agts —Turner Morrison & Co Ltd, 6, Lyons Range, Calcutta, Grahams Trading Co (India) Ltd, Rangoon

Bibby Line—Fortnightly sailings from Rangoon, Colombo and Cochin to Port Sudan, Port Said, Marseilles, Gibraltar, Plymouth, London Agents —Steel Bros & Co Ltd, P O Box 132, Rangoon; Carson & Co Ltd, Colombo, Killick Nixon & Co, Home Street, Bombay, Gillanders Arbuthnot & Co, Madras, Mackinnon Mackenzie & Co, Strand Road, Calcutta; Harrisons and Crossfield Ltd, Cochin Quilon, Calicut, Coimbatore, Allepey, Trivandrum

Brocklebank Cunard Service—Regular sailings from Calcutta to Regular sailings to Persian Gulf and Red Sea Ports Managing Agents. —Turner Morrison & Co Ltd, 16, Bank Street, Bombay, Agents — Turner Morrison & Co, Ltd, Calcutta, Grahams Trading Co (India) Ltd, Karachi and Rangoon.

Brocklebank Cunard Service—Regular sailings from Calcutta to Boston, New York, Philadelphia, Baltimore and Norfolk via Colombo and Port Sudan Agts —Graham's Trading Co (India), Ltd, 6, Lyons Range, Calcutta; Best & Co, Ltd, Madras

Trade Terms & Abbreviations: Unique collection alphabetically arranged. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta

Canadian Pacific—Sailings to Canada United States, Europe via China, Japan and Honolulu Agents —Mackinnon, Mackenzie & Co. Calcutta, Bombay, Colombo, Thomas Cook & Son, Ltd, (Any Branch); American Express Co (Any Branch).

Clan Line of Steamers Ltd.—Road cargo at Calcutta and Chittagong, for London, Dundee, Continental Port and Glasgow and touch at Bimlipatam, Cocanada, Madras, Tuticorin and Colombo, etc Agts — James Finlay & Co, Ltd, 1 Clive Street, Calcutta and Colombo, Ripley & Co Bimlipatam and Cocanada, Gordon Woodroffe & Co, (Madras) Ltd, Vizagapatam and Madras, A & F Harvey, Tuticorin

Ellerman and Bucknall Steamship Co. Ltd.—Passenger sailings to Boston and New York Agts—Gladstone Wyllie & Co, 4 Fairlie Place, Calcutta, Forbes, Forbes, Campbell & Co Ltd, Home Street, Fort, Bombay; Best & Co, Ltd, Madras, Aspinwall & Co, Ltd, Cochin, Calicut, etc

Ellerman's City Line—Sailing from Calcutta to London Agts — Gladstone Wyllie & Co, 4, Fairlie Place, Calcutta

Ellerman's City and Hall Lines—Sailing from Bombay and Karachi Port Okha and Jamnagar Mormugao and Malabar Coast Port Madras and Calcutta to Port Sudan, Port Said, Marseilles Barcelona, Plymouth, Dundee Dunkirk, Antwerp Ghent Hull London Liverpool, Manchester and Glasgow Agts —Killick, Nixon & Co Home Street, Bombay, Forbes, Forbes Campbell & Co, Ltd Karachi, Killick, Nixon & Co's Agency, Port Okha, Commissioner of Ports and Customs Jamnagar, Killick Nixon & Co's Agency, Mormugao, Aspinwall & Co, Ltd, Mangalore, Tellicherry, Calicut, Cochin Alleppey, Best & Co. Madras, Gladstone Wyllie & Co, Calcutta

Hansa Steam Navigation Co—Direct service to Port Said Antwerp Rotterdam, Hamburg and Bremen Agents —Lionel Edwards Ltd, Nicol Street, Ballard Estate, Bombay, Mohatta Building, McLeod Road, Karachi, D 1, Clive Buildings, Calcutta New Mercantile Buildings, 1st Line Beach, Madras, Cocanada, Lionel Edwards (Burmah) Ltd Grahams Building, 8 Strand Road, Rangoon, Lionel Edwards Ltd, Mormugao

Harrison Line—To London, Liverpool, Manchester, Birkenhead and Bristol Channel Ports Take cargo on through Bills of Lading for Ports in Canada, the West Indies Central & South America, West-Africa, etc No passengers carried Agents —Hoare, Miller & Co, 5 Fairlie Place, Calcutta

Henderson Line—Sailings from Rangoon to Port Sudan, Port Said, Marseilles, Palma, Gibraltar, U K Agents —Steel Bros & Co, Ltd, P O Box 132, Rangoon Thomas Cook & Son, Ltd, Rangoon, A Scott & Co Rangoon.

Holland British India Line—Direct service to Port Said, Antwerp, Rotterdam Hamburg & Bremen Agents — Bombay, Karachi, Colombo & Madras Lionel Edwards Ltd (For full address see Hansa Line)

India-Natal Line—Sailings from Indian Port to Durban, Cape Town, Mossel Bay Algoa Bay, Beira, East London, etc Agents —Anderson Wright & Co, Strand Road, Calcutta, Steel Bros & Co, Ltd, P O Box 132, Rangoon, Parry & Co, Ltd, Madras and Grahams Trading Co, Ltd, Grahams Buildings, Fort, Bombay

Indian & African Line (Andrew Weir & Co.)—Regular monthly services from Calcutta, Rangoon and Colombo to Beira, Lorenco Marques, Durban, East London, Algoa Bay, Mossel Bay and Cape Town with leave at shipowners' option to call at Madagascar Agents — Grahams Trading Co (India) Ltd, 6, Lyons Range, Calcutta

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Indo-China S. N. Co, Ltd.—Regular passenger and cargo service from Calcutta to Straits and Far East Agents —Jardine, Skinner & Co, 4, Clive Row, Calcutta, Steel Bros, & Co. Ltd, P O Box 132, Rangoon

Isthmian Steamship Lines—For Boston, New York, Philadelphia, and Baltimore Agents —The Angus Co, Ltd, 3, Clive Row, Calcutta

Lloyd Triestino and Marittima Italiana Lines—Regular sailings to Trieste, Venice, Brindisi, Genoa, Naples, Port Said, Aden, Colombo Head Office —Contractor's Building, Nicol Road, Ballard Estate, Bombay, Agents —Gillanders Arbuthnot & Co, 22, Phayre Street, Rangoon, Grahams Trading Co, (India) Ltd, 6, Lyons Range, Calcutta, Stuparich Bros, Karachi, Volkart Bros, Madras

Messageries Maritimes—French Mail Steamers Sailings from Madras, Pondicherry, Colombo to Marseilles, also to Singapore, Saigon and Haiphong, (China and Japan Ports via Saigon) Office —6/20, North Beach Road, Madras, Stephens House, Dalhousie Square East, Calcutta Albert Building, Hornby Road, Fort, Bombay, Cours Chabrol, Pondicherry (French Settlements in India)

Nippon Yusen Kaisha (N. Y. K.) Line—From Bombay to Colombo, Singapore, Hongkong and Japan Passenger routes —Colombo to London, via Suez, Bombay to Japan, Singapore to Japan, Hongkong to San Francisco, Kobe to Seattle, Hongkong to Valparaiso, Hongkong to Europe Office in India —Cox's Building, Hornby Road, Fort, Bombay, 2 & 3, Clive Row Calcutta Agents in India —Mackinnon Mackenzie & Co, Karachi, A & F, Harvey, Tuticorin, Wm Goodacre & Sons, Alleppey, Bombay, and Madras

Orient Line—Sailings from Colombo to Aden, Egypt, Naples, Villefranche, Toulon, Palma, Gibraltar, Plymouth and London Passengers from India to Europe are given free tickets from Tuticorin or Talaimannar to Colombo Agts —Binny & Co, Madras

Osaka Shosen Kaisha (O S K) Line—Regular service to Japan via-Singapore, Hongkong & Shanghai Agents —Osaka Shosen Kaisha, Ltd, Box No 855, Bombay, 135, Canning Street, Calcutta

Peninsular and Oriental and British India Steam Navigation Companies Mail and Passenger Services—Sailings to Coast Ports in India and Burma, between India, Straits Settlements, Ceylon, Java, Hongkong, China, Japan, Australia, New Zealand West Indies, Mauritius, East and South Africa, Persian Gulf, Red Sea Egypt, Mediterranean, Antwerp and London Agents —Mackinnon Mackenzie & Co, 16, Strand Road, Calcutta or McLeod Street, Karachi Ballard Road, Fort, Bombay, Binny & Co, Ltd, 7, Armenian Street, Madras, Bulloch Bros & Co, Ltd, 7, Strand Road, Rangoon

River Plate—Weir Harrison, Clan, Ellerman joint service from Calcutta to Buenos Ayres, Monte Video and Rosario via Rio de Janerio and Santos Joint Agents, Turner Morrison & Co, Ltd, Hoare Miller & Co Ltd, Calcutta

Societa Veneziana di Navigazione-Venice—Sailings under contract with the Italian Government from Calcutta to Italy Agents —Turner, Morrison & Co, Ltd, 6, Lyons Range, Calcutta, Best & Co, Ltd, Madras

Swedish East Asiatic Co Ltd.—Direct service to Port Said, Antwerp, Rotterdam, Hamburg & Gothenburg Also taking cargo in transhipment for Scandinavian and Spanish ports Agents —Karachi, Bombay, Colombo, Madras, Calcutta, Lionel Edwards Ltd, Rangoon Lionel Edwards (Burmah) Ltd (For full address see Hansa Line)

Wilh. Wilhelmsen—Norwegian, Africa and Australia Line—Direct service to Port Said, Antwerp, Rotterdam, Hamburg and Oslo Agents

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—Calcutta, Bombay, Karachi and Madras Lionel Edwards Ltd (For full address see Hansa Line)

Miscellaneous—The other lines include —

Apcar Line of Steamers—Agents Mackinnon Mackenzie & Co, 16, Strand Road, Calcutta

Ellerman's Wilson Line—Agents Finlay James & Co, Ltd, P O Box 209, Calcutta

Houston Line—Agents —Finlay James & Co, Ltd, P O Box 209, Calcutta

FREIGHT CHARGES.

The freight charges differ with the length of the haul and the nature of the goods As in the case of railways the freight charges on manufactured goods and produce differ appreciably The charges are so made that the goods can bear them without being overburdened with incidental charges

As a general rule the freight rates are usually based upon the cargo ton by weight or equally 2240 lbs or by measurement of 40 cubic feet Articles are sometimes quoted according to the packing Goods packed in cases are charged per ton of 40 cubic feet Bag cargo pays per ton of various hundredweights according to the weight of the article in comparison with the size or the space it will occupy Thus bags of potatoes googal alum almond coffee groundnuts leaves (dry) turmeric and coke are quoted per ton of 20 17, 16 15 12, 11 and 10 cwts respectively

The cargo rates however have been standardised through the competition among the several lines and the railways also to some extent But on occasions when very large shipments are made special rates are awarded to the buyers of freight and spaces are reserved for them previously, if arranged

TONNAGE SCHEDULE.

	per ton of		per ton of
Calcutta		Indigo	50 c ft
Aniseed in bags	8 cwt	**Jute**	50 c ft
Betelnut	20 cwt	Kapok	50 c ft
Bonemeal	20 cwt	Leather	50 c ft
Bristles	50 c ft	**Lentils**	20 cwt
Cardamom in robbins	8 cwt	Linseed	20 cwt
" in boxes	50 c ft	Manganese	20 cwt
Castor seed	15 cwt	Mica	20 cwt
Chillies	8 cwt	Mohua seed	20 cwt
Cloves in bags	8 cwt	Molasses	20 cwt
Coal & Coke	20 cwt	Mustard seed	20 cwt
Coir in dholls	10 cwt	Myrobalans	20 cwt
Coriander seed	12 cwt	Nux Vomica,	
Corundum	20 cwt	Cuttack quality	16 cwt
Cumin seed	8 cwt	Oils in casks	50 c ft
Dhal	20 cwt	Oil cake	20 cwt
Fibres all sorts	50 c ft	Paddy	16 cwt
Garlic and Onion	12 cwt	Peas	20 cwt
Ginger	16 cwt	Pig Iron	20 cwt
Gunny	20 cwt	Poppy seed	20 cwt
Hides in bales	30 c ft	Rape seed	20 cwt
Hides, salted or		Rice	20 cwt
arsenicated	14 cwt	Rope in coils or bundles	50 c ft

Start a New Industry! Read MANUFACTURE OF RUBBER GOODS, Re 1-8. Industry Book Dept., Shambazar, Calcutta.

	per ton of
Shellac	50 c ft
Silk in cases or bales	50 c ft
Soap in bags	15 cwt
Sugar	20 cwt
Tamarind in cases	20 cwt
Tea	50 c ft
Timber	50 c ft
Tobacco in bales	50 c ft
Turmeric	16 cwt
Wax	20 cwt
Wheat	20 cwt
Wool	50 c ft
Bombay	
Ajwan in bags	11 cwt
Apricot	13 cwt
Arrowroot in casks	40 c ft
Bajra in bags	18 cwt
Barley in bags	16 cwt
Beeswax in cases	40 c ft
Betelnuts in bags	13 cwt
Bonemeal	20 cwt
Bullion	ad valorem
Cassia	40 c ft
Coffee	40 c ft
Coir in bales	50 c ft
Copra in robbins	8 cwt
„ cut in bags	10 cwt
Cotton	40 c ft
Cotton seed	13 cwt
Cutch	13 cwt
Dhal	17 cwt
Fenugreek	17 cwt
Flour in bags	18 cwt
Galls in bags	13 cwt
Galls in cases	40 c ft
Groundnut, shelled	14 cwt
„ unshelled	6 cwt
Gums in cases	40 c ft
Hides & Skins	40 c ft
Indigo	40 c ft
Jowar	17 cwt
Linseed	16 cwt
Maize	16 cwt
Mother of pearls in tins or cases	40 c ft
„ in bags	16 cwt
Myrobalans	14 cwt
„ crushed	11 cwt
Niger seed	14 cwt
Nux Vomica in case	40 c ft
Oil in casks	40 c ft
Oil cakes	15 to 16 cwt
Paddy in bags	13 cwt
Peas	17 cwt
Pepper in bags	13 cwt
Rape seed	15 cwt.

	per ton of
Rice in bags	18 cwt
Sandalwood and Sappan wood	9 cwt
Salt	28 mds
Sesamum	14 cwt
Silk in bales	8 cwt
Senna in bags	5 cwt
Sugar in double bags	19 cwt
Tamarind	15 cwt
Tobacco in bales	40 c ft
Turmeric in bags	11 cwt
Wheat	18 cwt
Wool in screwed bales	40 c ft
Madras	
Aloes in bags	20 cwt
„ in cases	50 c ft
Alum	20 cwt
Arrowroot in casks	50 c ft
Barks in bags and bundles	8 cwt
Beeswax in bags	20 cwt
Betelnut	18 cwt
Bone Meal	20 cwt
Borax	20 cwt
Cardamoms	10 cwt
Cardamom in box	50 c ft
Castor seed	20 cwt
Chillies in bags	12 cwt
„ in robbins	14 cwt
Cigar	50 c ft
Cloves in chests	50 c ft
Cloves in bags	8 cwt
Coal	20 cwt
Cochineal	50 c ft
Coffee	18 cwt
Coir	50 c ft
Copra	12 cwt
Cotton in bales	50 c ft
Cutch in bags	17 cwt
Garlic	12 cwt
Ginger in bags	12 cwt
Groundnut (shelled)	20 cwt
Groundnut (unshelled)	20 cwt
Hides	50 c ft
Indigo	50 c ft
Lac	16 cwt
Linseed	20 cwt
Metals	20 cwt
Molasses	20 cwt
Mustard seed	20 cwt
Myrobalan	20 cwt
Niger seed	20 cwt
Nuxvomica in bags	20 cwt
Oils in casks	20 cwt
Paddy in bags	20 cwt
Palmyra fibre in bales	50 c ft

Start a New Industry! Read MANUFACTURE OF RUBBER GOODS.
Re 1-8. Industry Book Dept., Shambazar, Calcutta

	per ton of
Pepper in bags	16 cwt
Poonac	20 cwt
Poppy seed	20 cwt
Rape seed	20 cwt
Rice in bags	20 cwt
Roping in coils	50 c ft
Sago in casks	50 c ft
Salt	16 cwt
Saltpetre	20 cwt
Sesamum	20 cwt
Shells, rough in bags	20 cwt
Sugar including Jaggery in bags	20 cwt
Tamarind in cases or casks	20 cwt
Tapioca	50 c ft
Tea in chests	20 cwt
or	50 c ft
Timber	50 c ft
Tobacco in bales	50 c ft
Turmeric in bags	16 cwt
Wool in bales	50 c ft

Karachi.

Asafoetida	40 c ft
Bajra in bags	18 cwt
Barley in bags	15 cwt
Beeswax in bags	40 c ft
Betelnuts in bags	13 cwt
Borax in bags	16 cwt
Canes in bundles	13 cwt
Cardamoms in bundles	40 c ft
Castor seed	14 cwt
Cinnamon in casks	40 c ft
Cloves in casks	40 c ft
Coal	20 cwt
Coir in bales	40 c ft
Copra in robbins	8 cwt
Cotton in bales	40 c ft
Cotton seed	13 cwt
Cutch in bags	13 cwt
Dates, wet	16 cwt
,, dry	13 cwt
Dhal	17 cwt
Fennel seed	10 cwt
Fenugreek	17 cwt
Flour	18 cwt
Galls	13 cwt
Ginger in bags	10 cwt
Gram	17 cwt
Groundnuts, shelled	13 cwt
Hides and skins	40 c ft
Indigo	40 c ft
Jaggery	18 cwt
Jowar	18 cwt
Lentils	20 cwt
Linseed in bags	16 cwt
Maize in bags	17 cwt
Mohua seed	13 cwt
Mustard seed	16 cwt
Myrobalans	13 cwt
Niger seed	14 cwt
Nux vomica	13 cwt
Oil in cases	40 c ft
Pepper	13 cwt
Pimento	12 cwt
Plumbago	16 cwt
Rhubarb	40 c ft
Rice	18 cwt
Salt	28 Indian mds of 82 2/7 lb
Sesamum	15 cwt
Silk in bales	8 cwt
Sugar	19 cwt
Tale	16 cwt
Tamarind	15 cwt
Tobacco in bales	40 c ft
Turmeric	11 cwt
Wheat	18 cwt
Wool in screwed bales	40 c ft

Rangoon

Beans	20 cwt
Beeswax	20 cwt
Betelnut	20 cwt
Bottles, empty	40 c ft
Cardamom in boxes	8 cwt
Castor seed	15 cwt
Chillies	8 cwt
Chiretta	16 cwt
Cigars	50 c ft
Cloves	8 cwt
Coal	20 cwt
Coffee in bags	18 cwt
Coir in bundles	20 cwt
Copra in bags	14 cwt
Cotton in bales	50 c ft
Cutch in bags	16 cwt
Elephant Teeth	20 cwt
Flour	20 cwt.
Garlic or onions	12 cwt
Ginger	16 cwt
Gram	20 cwt
Guano	16 cwt
Gunny bags	50 c ft
Hemp in bales	50 c ft
Hoofs, horns, etc	20 cwt
India rubber in bags	20 cwt
Iron	20 cwt
Jute	50 c ft
Lac, stick in bags	16 cwt
Lac, seed—in casks	50 c ft
Linseed	20 cwt
Maize	20 cwt.

New careers await you! Read MECHANICAL INDUSTRIES, Re 1-8.
Industry Book Dept., Shambazar, Calcutta.

	per ton of
Millets	20 cwt
Mustard seed	20 cwt
Nutmeg in casks	50 c ft
Oats	16 cwt
Paddy	20 cwt
Paraffin wax in casks	20 cwt
Peas	20 cwt
Planks and deals	50 c ft
Rapeseed	20 cwt
Rice in bags	20 cwt
Rice meal	20 cwt
Sago in casks	50 c ft
Salt	20 cwt
Saltpetre	20 cwt
Sesamum	20 cwt
Shellac in casks	50 c ft
Silk	50 c ft
Sugar	20 cwt
Tallow in casks	20 cwt
Tamarind in cask	20 cwt
Tobacco in bales	50 c ft
Tea in chests	50 c ft
Timber	50 c ft
Wheat	20 cwt
Wool	50 c ft
Chittagong.	
Bulk oil	280 gallons
Oil in drum	2,240 lbs
Timber	50 c ft
Soorkey	20 cwt or 60 c ft
Fowls	100 to a ton
Coconuts	2 635 to a ton or 20 cwt

SEASONS OF SHIPMENT.

Bombay.

Castor	February onwards
Chillies	June onwards
Cotton	November onwards, shipments heaviest from Jan to July
Cotton Seed	January to July
Fruits in Syrup	June to December
Groundnut	November onwards
Linseed	February onwards
Myrobalan	December onwards
Poppy Seed	April onwards
Gingelly Seed	December to June
Rapeseed	March onwards
Skins	Throughout the year
Rice	February onwards
Salt	Throughout the year
Wheat	April onwards
Tobacco	Throughout the year

Calcutta

Chillies	June onwards
Coal	Throughout the year
Cinnamon	June onwards
Eggs	Throughout the year
Fruits	June to December
Gunnies	September to January
Hemp	October to January
Hides	January to June (mainly)
Jute	July to March
Linseed	April to August
Petroleum Oil	Throughout the year
Rice	February onwards
Shellac	September to April
Skins	Throughout the year.
Tea	April to November
Tobacco	Throughout the year

Cochin

Chillie	May onwards
Coconut Oil	January to May (mainly)
Coffee	December to May
Coir & Coir Mats etc	Throughout the year
Copra	January to May (mainly)
Ginger	December to May
Lemongrass oil	June to May
Nux Vomica	December onwards
Pepper	November onwards
Poonac	January to May (mainly)
Rubber	Throughout the year
Tea	Throughout the year
Turmeric	February to May

Cuddalore

Groundnut	November onwards
Groundnut Oil	November onwards
Oilcake	November onwards
Sugar	February to July

Karachi

Bajra	September to November
Barley	March to July
Bonemeal etc	Throughout the year
Castor Seed	September to November
Cotton	October to January
Cotton Seed	October to January
Gram	April to July
Jowar	September to November

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Lentil	April to July
Linseed	February to May
Maize	December to March
Peas	March to June
Rapeseed	March to June
Rye	February to May
Sesamum	October to January
Toria	January to April
Wheat	May to August
Wool	Throughout the year

Madras

Castor Seed	Throughout the year
Chillies	May onwards
Cigar	Throughout the year
Coffee	Throughout the year
Cotton	April to October
Groundnut	November to June
Rice	December onwards
Hides horns indigo jaggery, mica redwood spices skins are exported throughout the year	

Port Okha

Cotton	August to April
Cotton Seed	August to April
Groundnut	August to April
Rapeseed	August to April
Salt	Throughout the year

Vizagapatam

Groundnut	November to March
Hemp	October to December
Jaggery	January to June
Jute	October to January
Myrobalan	December to May
Gingelly	May to July October to December
Niger	December to February
Rapeseed	March to May

Rangoon

Beans	February onwards
Cotton	October to April
Cotton Seed	October to April
Cutch	Throughout the year
Groundnut	December onwards
Maize	November to February May to June
Millet	February onwards
Petroleum	Throughout the year
Rice	January June (mainly)
Rice bran	January onwards
Rubber	November to June
Teak	Throughout the year
Wheat	December onwards

Bedi Port

Castor	January to October
Cotton	April to July
Gram	April to October
Groundnut	January to May
Lentils	April to October
Millet	April to October
Wool	January to May

Akyab

Rice	February to June
Rice bran	From April

Bassein

Rice	January September
Rice bran	February November

Moulmein

Rice	January August
Rice bran	February August
Timber	Throughout the year

Karikal

Rice	January onwards

Mahe

Coconuts	January March

Pondicherry

Bonemeal	Throughout the year
Groundnut	January onwards
Onions	Throughout the year

Mormugao

Cotton seed	January August
Groundnut	January June
Manganese ore	Throughout the year

SEASONS RELATING TO WEATHER, ETC

Arabian Sea

Monsoons —S W Monsoon extends from May/June to September October (July and August are generally the worst months)

Bay of Bengal

Monsoons S W Monsoon, May to October N E Monsoon, November to April

Cyclones Cyclones occur at Monsoon changes, namely May and October, the latter being the most dangerous month

Indian Ocean, South.

Cyclones The Cyclone Season is most severe from November to May, the worst months being January, February and March

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THE MONEY MARKET.

INDIAN MONETARY SYSTEM.

THE MOGHUL system of coinage was distinguished by the large number of mints scattered all over the country, from which currency was issued The principal gold coin was called the Shamsah but twenty five other gold coins were also in circulation The gold coins however were not so much in use as the silver ones Of the latter the most important coin was the Rupee round in shape and weighing 11 maslas (almost the same weight as that of our present rupee which is 12 maslas) This was first introduced in the reign of Sher Shah but was greatly improved by Akbar Another silver coin first issued by Akbar was the Jalalah which had the same weight and impression as the rupee but was square in shape Then there were seven other subsidiary coins the smallest silver piece being the Sukki which was 1/20 rupee There were copper coins also in circulation beginning with the Dam forty of which went to the rupee The smallest copper coin was the Damri (1/8 dam) Besides these there were a large number of coins issued by the other independent chiefs Even in the beginning of the nineteenth century four different rupees were current—the Murshidabad rupee of the nineteenth year of Shah Alam's reign weighing 179 grains (179 grains pure silver) which was known as the sikka rupee the Surat rupee containing 1617 grains of pure silver the Arcot rupee of 1665 grains pure silver when first coined at the mint of Fort St George and the Lucknow rupee of the Vizier of Oudh containing 1652 grains of pure silver when it was adopted for coinage at the Farukhabad mint The sikka rupee was the principal standard of value Besides these there were also various gold coins—the gold Mohur of Bengal the old Bombay Mohur the Bombay gold rupee various pagodas of Madras (e g the Star pagoda the old pagoda and the Porto Novo pagoda) also the gold rupee half rupee and quarter rupee which took the place of Madras pagodas under a regulation of 1818

In 1835 a uniform currency was established in the whole of India when the Madras rupee approximately equal in value to that of Bombay and Farukhabad weighing 180 grains out of which 165 grains were pure silver (i e 11/12ths fine) was adopted as the standard for the whole of the Company's dominions in India From the year 1862 the Government rupee being exactly of the same weight and fineness replaced the old East India Company's rupee as well as others which were in circulation

The principal gold coin of British India was the gold Mohur which was exactly of the same weight and fineness as the silver rupee Besides this, a double Mohur, a ¾ Mohur and ½ Mohur were also supplied by the Mints of British India These however ceased to circulate since 1806 when the Government of India laid down that silver should be the universal money of account in India

As matters now stand silver is the standard metal for coinage in India The chief coin is the rupee weighing 180 grains Troy or 1 tola

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11/12 fine (i e 165 grains fine silver to 15 grains alloy) The next in value is the 8 anna piece or rupee weighing 90 grains troy silver 11/12 fine, 4 anna piece or ¼ rupee and 2 anna piece or ⅛ rupee containing proportionate weights of silver of the same degree of fineness as the rupee Token coins of nickel of the denomination of 1 anna, 2 anna and 4-anna are also in circulation The bronze coins are 2 pice piece, 1 pice piece ½ pice piece and 1 pie Silver 4-anna pieces and 2 anna pieces are still found in circulation in the market

The old sikka rupee a rupee of account known as current rupee commonly adopted by the East India Company, and the Government rupee sometimes occur in the description of the history of the Money Market and may lead to confusion A conversion table here follows —

100 Government rupees = 93¾ sikka rupees = 108¾ current rupees
100 Sikka rupees = 106⅔ Government rupees = 116 current rupees
100 current rupees = 91 95 Government rupees = 86 20 sikka rupees

BRITISH INDIAN MONETARY UNITS

1 Pie			Marked P	per value
3 Pies	make	1 Pice	, PS	, ,
4 Pice or 12 Pies	,	1 Anna	A	
16 Annas	,,	1 Rupee	R	

Currency notes were also issued till lately by the Government of India in denominations of 5 10, 50 100 500, 1 000 and 10,000 rupees

The rupee and ½ rupee are legal tender in payment or on account The other coins are legal tender for any sum not exceeding 1 rupee Notes in denominations of 5 10, 50 and 100 were legal tender throughout British India but notes for 500, 1 000 and 10,000 had been at first legal tender in their respective circles, viz Calcutta, Madras Bombay, Rangoon Lahore, Cawnpore and Karachi but they were encashable any where in the country The Paper Currency system of India were, it may be noted, dated from 1861 when the previously existing notes of the Presidency Banks which had only a restricted circulation, were withdrawn and the Government monopoly of Note issue was established

The paper currency system of India has recently undergone a complete overhaul Since the inauguration of the Reserve Bank of India in April 1935, the sole right of note issue has been given over to the Bank The Governor General in Council no longer issues any currency note The Reserve Bank issues bank notes of rupees 5, 10, 50, 100, 500, 1,000 and 10,000 in denomination and manages the old currency notes on a par with bank notes Bank note of all denominations are legal tender in any place in British India

HISTORY OF THE RUPEE EXCHANGE.

The course of the rupee exchange was formerly determined by the gold price of the silver contents of the rupee So long the bullion values of silver and gold stood undisturbed, no difficulty was felt in maintaining the rupee exchange steady But with the demonetisation of silver in Germany and Latin Union coupled with the over-production of silver, the price of silver depreciated much and the rupee exchange underwent a violent fall A Committee, presided over by Lord Herschell, sat to investigate upon the monetary situation Following its recommendations a notification was issued on June 26, 1893, by which Government undertook to give rupees in exchange for gold (7 53344 grains of fine gold per rupee, i e at the rate of £1 = Rs 15) This was the first break of the exchange value of the rupee from the market value of the silver It was also contemplated to open the mints to the free coinage of gold when suitable opportunity presented itself

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On certain proposals made by the Government of India for the establishment of gold standard in India, another Committee, presided over by Sir Henry Fowler was appointed in 1898 to examine into the existing monetary system to recommend on the policy to be pursued in future The Committee recommended that the Indian mints should continue closed to the unrestricted coinage of silver and should be opened to the unrestricted coinage of gold the sovereign should be made a legal tender and current coin the ratio between the sovereign and the rupee should be £ 1 = Rs 15, or Re 1 = 1s 4d , the profit on the coinage of rupees should be held in gold as a special reserve The Committee thus contemplated the introduction of the gold standard and gold currency in India but since 1899 the Government of India drifted into a monetary standard which has been called the **Gold-Exchange Standard**, owing mainly to the opposition of the British Treasury, and India had to be satisfied with rupee which was nothing more or less than a silver for 1s 4d gold

A Royal Commission on Indian Currency and Exchange known as Chamberlain Commission was appointed in 1913 The findings of the Commission went to support the measures adopted by the Government for maintaining the exchange value of the rupee Among the minor alterations proposed were the prompt selling of Reverse Councils and the abolition of the silver branch of the Gold Standard Reserve

The Great War had a serious repercussion on the price level and the Indian exchange In view of shortage of silver an Ordinance was promulgated on June 29 1917 requiring all gold imported into India to be sold to Government at a price based on the sterling exchange value of the Indian rupee The gold thus acquired was put to the Rupee Currency Reserve as a backing for the issue of additional notes A branch of the Royal Mint was opened in Bombay in August 1918 where 2 110 000 gold mohurs and 1,295 000 sovereigns were coined Another Committee, known as Babington Smith Committee was appointed on May 30 1919 It was decided to link the rupee with the gold sovereign at the rate of Rs 10 to 1 sovereign, i e, 1 rupee for 11 30016 grains of gold This was brought into effect as from February 2, 1920 and sovereigns were declared legal tender at the rate of Rs 10 each Various charges were instituted in the Paper Currency Act and it also laid down the ratio for the issue of currency notes against sovereigns and half-sovereigns at the new rate fixed

This history of the Indian currency subsequent to the adoption of the Babington Smith Committee Report proved disastrous to India The post-war boom came suddenly to a close The exchange could not be maintained at 2s gold which at that time meant nearly 3s sterling The advantage was taken of the high exchange by the European community to remit to England the great profits which it had made during the War When the attempt to hold the exchange at 2s gold failed, efforts were made to hold it at 2s sterling But these also failed During the whole of this period reverse councils to the extent of £ 55 532 millions were sold All attempts to hold the exchange at any rate were then abandoned

A new history opened with the resumption of sterling with gold This was in June, 1925 A Commission, presided over by Rt Hon Hilton Young, was appointed in August, 1925 The Commission reported in July 1926 recommending by a majority stablisation at 1s 6d and a currency standard named by the Commission as the **Gold Bullion Standard**, meaning thereby that gold in quantities not less than 1 065 tolahs at a time should be obtained in exchange of Indian currency In putting

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effect to these recommendations, the Indian Currency Act of 1927 was passed, and it came into force on April 1, 1927 But so far as the sale of gold was concerned, the Government did not fully adhere to the Commission's recommendations The Government of India would only sell gold, or at the option of the Government sterling, for immediate delivery in London The new system could thus be called **Gold Bullion cum Gold Exchange Standard.** The Act among others demonetised in India the British sovereign and half-sovereign and provided that such coins should be received at any Government Treasury at the bullion value of such coins calculated at the rate of 8 47512 grains of fine gold per rupee

Events took a new turn with the suspension by Great Britain on September 21, 1931 of the operation of the British Gold Standard Act of 1925 which required the Bank of England to sell gold at a fixed price Immediately the Governor General by his own executive power, promulgated Ordinances the result of which was the suspension of the Indian Act of 1927 and denunciation of the obligation to sell gold Only sterling was to be sold to recognised banks at about 1s 6d parity, and that by limited quantities so that the exchange could not fall far below this ratio The new system, which still exists, can thus be called a **Controlled Sterling Exchange Standard,** although control is no longer required, being made unnecessary by large flow of gold out of the country as a result of the new currency policy and consequent rise of exchange

The latest feature is the change in the venue of administration of the Indian currency standard The task has been handled over to the newly inaugurated Reserve Bank through which all rupee coins are issued and upon which has been placed the obligation of selling and buying sterling amounting to no less than ten thousand pounds sterling, at rates between 1s 5-49/64d and 1s 6 3/16d corresponding to the lower and upper gold points

EXCHANGE VALUE OF MONEYS

The exchange value of the moneys on any particular date is determined in countries having different monetary units by the rate of exchange holding on that day Indian newspapers publish daily quotations of foreign exchanges on such centres as London, New York, Paris, Japan, Java, Shanghai, Hongkong, Singapur and Germany The mode of quoting the various rates will be seen below —

The exchange quotations appearing under the Foreign market columns of the Indian newspapers generally represent the number of standard coins that are equivalent to one sovereign For example, London exchanges on New York, Paris, Germany, Norway, Sweden, etc, are given in their respective standard coins per pound sterling But in some cases, e g, Portugal, India, China, Japan, etc, the quotations are expressed the other way round, i e, in pence per monetary units in circulation in these countries

METHOD OF QUOTATION

Exchange is quoted in India on the following basis —

On London—T T (Telegraphic Transfer) in shillings and pence per rupee.
" —O D (On Demand) in shillings and pence per rupee
" —3 m-st (3 months' sight) in shillings and pence per rupee.
On France—in francs per Rs 100.
On Germany—in marks per Rs 100.
On Java—in guilders per Rs 100.

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On America—in rupees per 100 dollars
On Hongkong—in rupees per 100 dollars
On Shanghai—in rupees per 100 taels
On Singapur—in rupees per 100 dollars
On Japan—in rupees per 100 yens

The London New York cross rate is expressed in dollars per £ sterling

FOREIGN MONEYS WITH THEIR ENGLISH EQUIVALENTS

The lawful and other recognised means of making payments in circulation vary in different countries The currencies of various countries with their English equivalents follow —

Abyssinia—1 Menelik $ (or Talari) = 16 Menelik Piastres = 32 Besa = 100 centimes Maria Theresa dollars are the current coins Par of Exchange 1 M $—2s

Aden and Perim—As British India

Afghanistan—1 Afghani = 100 pals 20 Afghanis = 1 Amania

Algeria.—As France 100 centimes = 1 fr £1 = frs 124 21 Paper currency has been introduced this year The Revenue will issue notes direct or through Afghan National Bank of the denominations of five ten, twenty, fifty and hundred rupees, Afghani Note issue is covered by silver bullion, Afghan coins and foreign currency

Albania—5 lek = 1 gold franc Par of exchange £1 = 25 22½ gold francs

Arabia.—Indian silver coins and the Maria Theresa silver dollar used Accounts kept in rupees

Argentine Republic.—Gold Peso of 100 centavos = 3s 11 58d $ 11 45 paper = £ 1 Gold coins in circulation are equivalent to 2½ and 5 peso pieces the latter being known as Argentino Silver coins are 1 peso, 5, 10, 20 and 50 centavos

Australia—As Great Britain

Austria.—1 schilling is divided into 100 groschen, 34 585 schilling = £1 Silver coins are ½, 1 and 2 schilling Note for 5 10, 20, 50, 100, 1 000 schillings are in circulation

Belgium.—Franc of 100 centimes 5 francs make 1 belga, 35 belga = £ 1

Bolivia.—Gold Boliviano of 100 centavos £ sterling and £ Peruvian are legal tender U S $ is legal currency £ 1 = 13 33 Bolivianos

Brazil—1,000 reis = 1 milreis (paper) = 59 899d Gold milreis = 2s 2 934d parity value

British East Africa.—100 cents = 1 shilling (British)

British North Borneo.—Straits Settlements Currency 100 cents = 2s 4d

Bulgaria—100 stotinkis = 1 leva, and 412 leva = £ 1 sterling

Canada (The Dominion of).—100 cents = 1 dollar = 4s 1½d Par of exchange 4 dollars 86⅔ cents to the £ sterling.

Ceylon.—The rupee of British India is the Standard This is divided into 100 cents Silver Coins, rupee, 50 cent piece, 25 cent piece, 10 cent piece Copper coins, 5 cents 1 cent, ½ cent, ¼ cent

Chile—1 gold peso = 100 centavos, 40 pesos = £ 1 Gold coins are 20, 50 and 100 pesos

China.—10 cash = 1 candareen, 10 candareen = 1 Mace, 10 Mace = 1 tael The tael is not a coin but a weight of silver, varying in different localities The Haikwan tael is that adopted and used by the Maritime Customs for all its transactions It is a book unit, with theoretical value equal to Mex $1 50 or 3 Its foreign exchange value is fixed monthly by the Customs Foreign exchange rates are quoted in Shanghai Tael Kuping Tael is the Treasury unit for Government accounts, 100 Shanghai Taels = 89 775 Haikwan Taels, 100 Kuping Taels = 109 60 Shanghai Taels, 100 Haikwan Taels = 101 6424

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Kuping Taels = 105 215 Tientsin Tael = 111 40 Shanghai Taels Dollars 10 cash = 1 cent, 100 cents = ½ dollar = 1s 7d Foreign dollars are the principal currency of the Treaty Ports

Colombia (Republic of)—100 centavos = 1 gold peso, 5 pesos = £1 Gold coins are 2½ and 5 pesos

Cuba.—As U S A 1 Gold Peso of 1 5046 grammes = 1 U S A dollar = 100 cents = 4/2

Czechoslovakia.—The unit of currency is the Czech crown, containing 37 15 mgm of pure gold It is divided into 100 haleru or hellers Rate of exchange 118 50 Ke = £1 sterling at present Quotations appear under the heading London on Prague

Danzig.—25 D Gulden = £1 sterling 100 pfennig = 1 D Gulden

Denmark.—100 ores = 1 Krone, Gold Coins of 10 and 20 Krones Par of exchange is 18 159 Krone to £1 or 1 Krone = 1s 1½d

Ecuador (Republic of).—Sucre of 100 centavos Gold coin condor = 25 sucres = 5 U S A dollars 1 £ = 24 3325 sucres

Egypt.—10 milliemes = 1 piastre Gold 100 piastre piece = £1 Egyptian (£E 1) 1 Talari = 20 piastres = 4/1 2 Par of exchange is 97 50 piastres to £1 sterling Mexican and Spanish dollars are also in circulation at 20 piastres to the dollar

Estonia.—Estonian Kroon (written as E Kroon) (E kr) divided into 100 cents 18 159 E Kroons (E kr) = £1 sterling

Federated Malay States.—As Straits Settlements

Finland.—1 gold markka = 100 penni, 193 23 Finish marks = £1 sterling, Gold coins of 100 and 200 markka

Fiji Islands—As Great Britain

France.—100 centimes = 1 franc Chief coins are 20, 10 and 5 franc pieces 124 francs 21 cents = £1 sterling (parity value)

Germany.—100 pfennig = 1 Reichs mark or mark Gold pieces equivalent to 20 and 10 marks Par of exchange is 20 43 marks to £1 sterling

Greece—100 lepti = 1 drachma, silver coins are 20 and 10 drachma pieces, 375 drachmas = £1 sterling, (parity value)

Haiti Republic.—U S Currency is legal tender 1 gourde = 100 centimes = $ 0 20 (U S A currency)

Holland.—100 cent = 1 florin or guilder = 1s 8d (approx) Rixdaler of 2½ florins, gold coins are 10 and 5 gulden pieces Par of exchange is 12 107 florins to £1 sterling

Honduras—100 cents = 1 dollor = 4/2

Hongkong—Mexican or British dollars are in circulation Other coins are 50, 20, 10, 5 and 1 cent pieces 1 British dollar = 2s—0-19/32d (Cf U S A dollar which is equal to 4s 2d) Par of Exchange 9 76 = £

Hungary.—100 filler = 1 pengo, 17-18 pengos being equal to £ 1 sterling (parity value) 1 gold Pengo — 1 16 currency pengos Notes in circulation are for 5, 10, 20, 50, 100, 1,000 pengos

Iceland.—100 Auror = 1 krona, Par of Exchange £1 = 18 159 Kronur Stabilised at 22 15 Kr Since 1925

Indo-China—10 francs = 1 piastre

Iran.—1 rial = 100 cents, = 20 dinars Silver coins are 5, 2, 1, and ½ rials, nickel coins for 5, 10 and 20 dinars and copper coins for 1 and 2 dinars Par of Exchange £ = Rial 80

Iraq—1 dinar = 1,000 fils Silver Coins are 20 and 50 fils £ sterling = 1 dinar 50 fils silver coin and 1 dinar note are popular 200 fils coin rial was first issued in June 1933

Italy.—100 centisimi = 1 lira, 92 liras 46 712 centisimis being equivalent to £ 1 sterling, the par value of exchange Silver coins are 5-lira,

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10-lira and 20-lira pieces Nickel coins include 20, 25 and 50 centisimi pieces

Japan.—1,000 rin = 100 sen = 1 yen Gold 20 yen pieces are also current Par of exchange is 24 58d to the yen

Java.—As Holland

Kenya.—100 cents = 1 shilling (East African), 20s = £

Latvia—100 Santims = 1 lat, 25 22½ lats being stabilised to £ 1 sterling Metric system of weights used

Lithuania.—100 centai = 1 lita 29 litas being stabilised to £ 1 sterling

Malta.—As British

Mauritius—100 cents = 1 rupee = 1s 6d

Mexico.—100 centavos = 1 peso or Mexican dollar Par of Exchange is £ 1 = 9 76 Pesos ($)

Netherlands—Florin or gulden of 100 cents 12 107 florins being equivalent of £ 1 sterling, the par of exchange

New Foundland.—100 cents = $ 1 Par of Exchange £ 1 = $ 4 86½

New Zealand—As Great Britain

Norway.—1 Krone = 100 ore Par of Exchange £ 1 = Kr 18 159

Palestine—1,000 Mills = The Palestine Pound (£ P) = £ 1 sterling

Peru.—100 centavos = 10 dineros = 1 sol Gold pieces equivalent to 10 soles were known as libra (£ P) The par of exchange is 17 38 soles = £ 1, 1 sol = 28 cents (U S A)

Phillippine Islands—50 U S cents = 1 peso (24 066d) Par of Exchange is 9 6 pesos to £ 1, United States money and the Mexican trade dollar are also current

Poland.—100 grosz = 1 zloty, 43 38 zloties being equal to £ 1 sterling

Portugal—100 centavos = 1 escudo (formerly called milreis), 110 escudos being equal to £ 1 sterling Gold coins are 1, 2, 5 and 10 escudos

Roumania—100 bani (centimes) = 1 leu Palaca = 9 to 9 5 escudos = 2s approximately £ 1 = 813 6 lei

Sarawak—As Straits Settlements 100 cents = 1 dollar = 2s 4d (parity value)

Siam.—Tical or baht (silver coin) is made up of 10 satangs Par of Exchange Pence to Baht, 21 82

Spain.—100 centimos = 1 peseta, 5 peseta pieces are known as duro Parity value is 25 22½ pesetas to £ 1 sterling

Straits Settlements.—100 cents = 1 S S dollar = 2s 4d Par of Exchange £ = 8 57

Somaliland.—Based on the Indian rupee

Sudan.—As in Egypt

Sweden—1 Krona = 100 ore Par of exchange £ 1 = Kr 18 159 Gold coins are 20, 10 and 5 kron or pieces

Switzerland.—100 centimes = 1 Swiss franc Gold coin is a 20 franc piece. Par of exchange is 25 22½ Swiss francs to £ 1 sterling

Turkey.—40 paras = 1 piastre Gold coin equivalent to 100 piastres is known as lira or Turkish pound (£ T) The Turkish Pound is stabilised at 12 04 French francs

U. S. S. R.—The currencies are chervonetz bank-notes, treasury notes, silver coins, copper and bronze coins Silver coins circulate in the values of 1 rouble and 50 kopeks (or poltinnik) The legal pure gold content of a chervonetz is ten times that of the rouble 1,000 kopeks = 10 roubles = 1 chervonetz Par of exchange 9 46 roubles to a pound sterling

Union of South Africa.—As Great Britain

United Kingdom.—The sovereign is the standard monetary unit It weighs 7 98805 grammes, 916⅔ fine or 7 322382 grammes fine gold The following shows the division of English money 4 farthings = 1

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penny, 12 pence = 1 shilling, 20 shillings = 1 pound. Gold coins are five pound, two pound, sovereign and half sovereign with proportionate weights of gold. The silver coins are crown (436.36363 grains of silver), half crown (218.18181), florin (174.54545), shilling (87.27272), six pence (43.63636) and three pence (21.81818), the figures within the brackets standing for the grains of silver contained in the coin. The fineness of silver coin is 925 per 1000. The bronze coins are penny, half penny and farthing. 1 crown = 5 shillings, 1 florin = 2 shillings. Par of exchange £ 1 = $ 4.87. Re. 1 = 1s. 6d. sterling.

United States of America—100 cents = 1 dollar = 4s. 2 1/12d. Gold coin equivalent to 10 dollars is known as eagle. Par of exchange is 4.8665 dollars to £ 1 sterling.

Uruguay—100 centisimos = 1 peso = 3s. 3 1/16d. Currency is silver on gold basis. Argentine gold and European gold are good tender.

Venezuela—100 centimos = 1 gold bolivar (V. B.). Gold coins of 20, 25 and 100 bolivars. Parity value is 25.2515 V. B. to £ 1 sterling.

West Indies—As U. S. A. Coins of South American Republics are also current.

Yugoslavia—100 paras = 1 dinar (Serbian franc), par of exchange being 276.316 dinars to the £ 1 sterling.

Zanzibar—As British India.

Note—France, Belgium, Italy, Greece and Switzerland formed constituted the Latin Union and their coins were alike in weight and fineness, occasionally only differing in name. The same system was adopted by Spain, Servia, Bulgaria, Russia and Roumania though they did not join the Union. Francs and centimes of France, Belgium and Switzerland were respectively designated lire and centesimi in Italy, drachma and lepta in Greece, dinars and paras in Servia, pesetas and centimes in Spain, leis and bani in Roumania, leva and stotinkis in Bulgaria. The Scandinavian countries, Norway, Sweden, Estonia and Denmark, all employ coins of the same weight and fineness, their name also being alike. Most of the South American States possess a standard coin equal in weight and fineness to the silver 5 franc piece generally termed a peso. In Hayti the corresponding coin is a 'gourde'.

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SUGAR IN INDIA

ITS CULTIVATION, MANUFACTURE AND TRADE

By H. H. GHOSE, F.R.E.S. (Lond.), M.A.E.S.

CONTENTS:—Historical Retrospect, Botany of Sugar Cane, Sugar Canes of India, Cultivation of Sugar Cane, Various Methods of Cultivation, Chemistry of Sugar Cane, Extraction of Cane Juice, Chemistry of Cane Juice, Small-scale Sugar Manufacture, The Factory, Methods of Juice Clarification, Curing and Refining of Sugar, White Sugar Manufacture, Trade in Sugar, Out-look in India and abroad.

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WEIGHTS AND MEASURES.

BRITISH INDIAN WEIGHTS.

The Unit of the British Indian Ponderary System is called the Tola. It weighs 180 grains English Troy Weight. From it upwards are derived the heavy weights, viz., Chattack, Seer and Maund, and by its sub-division the smaller ones meant for jewellers' weights called Mashas, Ruttees and Dhans are calculated.

4 Punkos	=1 Dhan or grain	= 15-32 grain Troy		=3 175 dr Avoir
4 Dhans	=1 Ruttee	1⅞		=17-175
8 Ruttees	=1 Masha	= 15	"	=96 175
12 Mashas	=1 Tola	= 7 dwt 12 grains Troy		=6 102 17
5 Tolas	=1 Chattack	= 1 oz 17½ dwt Troy		=2 2-35 oz "
16 Chattacks	=1 Seer	= 2½ lbs Troy		=2 2 35 lbs "
40 Seers	=1 Maund	= 100 " "		=82 2 7 lbs "

To convert Indian weight into Avoirdupois —

Multiply the weight in Seers by 72, and divide by 35, the result will be the weight in pound Avoirdupois, or multiply the weight in Maunds by 36, and divide by 49, the result will be the weight in cwts Avoirdupois.

BAZAAR WEIGHT.

5 Sick or Qr R make	1	Kancha
4 Kanchas	1	Chattack
4 Chattacks or 20 Tolas	" 1	Powah
4 Powahs	" 1	Seer
5 Seers		Pusseree
8 Pusserees or 40 Seers	1	Maund

1 Maund = 40 seers = 160 powahs = 640 chattacks = 3220 tolas

To reduce Bazaar weight into Factory weight add 1-10th.

To reduce Bazaar weight into cwt, add 1-10th and deduct 1-3rd of that sum, the remainder will be cwt.

To convert bazaar maund to factory maund subtract 1/11th.

To reduce Factory Maunds into tons, divide by 30, and the quotient will be the answer.

Bazaar Weight.—16 chattacks are 1 seer, or 2 lbs 0 oz 13 drs, and 40 seers are 1 maund, or 82 lbs 2 ozs 3 drs. 100 Bazaar maunds = 110 Factory maund and 1½ Factory maund = 1 cwt. 1 Bazaar maund = 82 137 lbs = 34 85734 kilograms.

Factory Weight.—16 chattacks are 1 seer, or 1 lb 13 ozs 14 drs, and 40 seers are 1 maund or 74 lbs 10 ozs 11 dr. The Indian maund = 82-2/7 lb avoirdupois Weight. 1 factory maund = 74 667 lbs = 33 8689 kilograms.

Provincial Weights.

The words "maund" and "seer" signify different weights in different parts of India. But for railway tariff the maund is taken to be equal to 82-2/7 lbs.

Bengal—As British Indian weights.

Bombay—1 maund = 40 seers = 28 lbs.

1 candy (average) = 20 maunds = 560 lbs.

Sattara candy = 3,055 lbs av.

Madras—1 palam = 3,055 lbs av.

1 seer = 8 palams = ⅞ lb.

1 vis = 5 seers = 3⅛ lb.

1 maund = 8 vis = 25 lbs.

1 candy = 20 maunds = 500 lbs.

1 Dutch candy = 672 lbs.

1 French candy = 536 lbs.

Prepare Indian Confections at home. Read MANUFACTURE OF CONFECTIONERY, Re. 1-8. Industry Book Dept., Calcutta.

Burma—2 small Yooway = 1 large Yooway
4 large Yooway = 1 pai
2 pai = 1 moo
2 moo = 1 mat
4 mat = 1 tical
100 tical = 1 viss = 3 6 lbs

Units of Lengths

1 cubit (hat)=2 bighats (spans) = 24 angulis = 18 inches
1 yojana = 4 krosas = 2,000 dandas = 8 000 hats = 16 000 yds = 9 1/11 miles
1 karam (Madras) = 3 cubits = 54 in
1 kathi (Bombay) = 94 ft
1 vent (Bombay) = 1 bighat = 9 inches
1 ilahi gaj (U P) = 33 inches
Bengal krose = 2 miles = 1 furlong 3 poles 3½ yds
Imperial krose = 2 miles 240 yds

Cloth Measures.

1 gaj (Bengal) = 16 giras = 48 angulis = 36 inches
1 gaj (Bombay) = 24 tasus = 27 inches
1 kovid (Madras) = 18 6 inches
1 gaj (Poona) = 34 1/5 inches

Land Measure

Bengal—1 cattah = 16 chataks = 720 sq ft
1 bigha = 20 cattahs = 14 000 sq ft = 1,600 sq yd
3 1/40 bighas = one acre, 1,936 bighas = 1 sq mile
Bombay—1 bigha = 20 pands = 3,927 sq yds
1 chahur = 20 rukehs = 120 bighas
Madras—1 bigha = 6,400 sq yds
1 cawni = 24 manais = 57,600 sq ft
Punjab—1 bigha = 4 kanals = 1,620 sq yds
1 ghuma = 2 bighas = 3,240 sq yds
U. P.—1 bigha = 20 biswas = 3,025 sq yds
Benares—1 bigha = 3,036 sq yds

Indian Dry Measure

Bengal—1 maund = 32 raiks = 128 konkies
1 sali = 2½ mds
Bombay—1 seer = 2 tipari = 72 tanks = 49·1408 cub in
1 phara = 16 payalis = 64 seers = 3,145 0112 cub inches
1 muda = 25 pharas = 45 5 cub ft
Madras—1 phara = 5 markata = 40 padis = 320 olaks = 3,750 cub inches
1 garu = 80 pharas
Burma—1 basket or bushel = 16 pyes = 8 gallons

Indian Apothecaries Weight.

1 tollah = 16 annas = 96 ratis = 384 dhans, 1 dhan being the weight of 1 grain of paddy
1 masha = 15 grains = 8 ratis or gunjas

Apothecaries Weight.

20 grains = 1 scruple, 3 scruples = 1 drachm, 8 drachms = 1 ounce, 12 ounces = 1 pound

Apothecaries Measure.

60 minims = 1 fluid dram, 8 fluid drams = 1 fluid ounce, 20 fluid ounces = 1 pint, 8 pints = 1 gallon
A tea spoonful = 1 fluid drachm,
A dessert-spoonful = 2 fluid drachms
A wine glassful = 2 to 2½ fluid ounces,
A table spoonful = 4 fluid drachms,
A tea cupful = 5 fluid ounces
A tumblerful = about 10 fluid ounces

English Weights and Measures.

1 yard (yd) = 3 feet (ft) = 36 inches (in) = 91 44 centimetres
1 mile = 8 furlongs = 80 chains = 1,760 yds = 3,520 cubits = 1,609 metres
1 sq yard = 9 sq ft = 144 sq in
1 acre = 4 roods = 160 sq poles = 4,840 sq yds = 3 1/40 bighas
1 square mile = 649 acres
1 cubic yard = 27 cubic feet = 1,728 cubic inches
1 cubic foot = 28 315 litres.
1 pound avoirdupois (lb) = 16 oz = 256 drachms (dr) = 7,000 grains = 453 6 grams = 38 89 tolas = 0 48611 seer
1 oz = 16 drachms = 437 5 grains = 28 35 grams = 2 43 tolas

For amateur gardening read VEGETABLE AND FRUIT CULTURE, Price As -/4/-. INDUSTRY BOOK DEPT., Calcutta.

1 fluid oz = 28 4 c c
1 pound Troy = 12 ozs = 240 cwt = 5,760 grains = 373 248 grams = 32 tolas
1 hundredweight = 4 quarters (28 lbs each) = 112 lbs = 1 maund 14 seers = 1 36111 maund
1 ton (gross ton) = 20 cwt = 2,240 lbs = 1 016 kilos = 27¼ maunds nearly = 27 2222.

In England the ton or gross ton of 2,240 lbs is exclusively used In the United States of America the term "ton" may mean the gross ton of 2,240 lbs or the short ton of 2,000 lbs avoirdupois

To convert Avoirdupois weight into Indian weight —

Multiply the weight in lbs Avoirdupois by 35 and divide by 72, or multiply the weight in cwts by 49, and divide by 36, the result will be the weight, in the former, in Seers, in the latter, in Maunds

1 stone = 14 lbs , 1 central = 100 lbs
1 carat = 4 grains

Measures of Capacity

1 Imperial gallon (gal)=4 quarts (qts) = 8 pints (pts) = 16 gills = 32 noggins = 10 lbs (of water) = 4 54 litres.
1 pint = 0 568 litre = 2 gills = 4 noggins = 1¼ lbs (water)

In England, by the term gallon (gal) the Imperial gallon is meant, but in the United States of America the much smaller apothecary's or wine gallon is understood, 1 Imperial gallon being equal to 1 2 wine gallons or 1 wine gallon = 0 8335 Imperial gallon, 1 wine gallon = 4 quarts = 6 pints = 3 785 litres

Metric System.

1 metre (m) = 10 decimetres (dr) = 100 centimetres (cm)= 1,000 millimetres (mm)=39 371 inches
1 litre (1) = 1,000 cubic centimetres (c c or c cm) = 0 22 gallon = 35 2 fluid oz
1 cubic metre (cb m) = 1,000 litres = 220 gallons
1 gramme (g or gr or grm)= 10 decigrammes (dg,) = 100 centigrammes (cg) = 1,000 milligrammes (mg) = 15 43 grains
1 metric ton = 1,000,000 grammes = 21 79228 maunds
1 kilogramme (g or kilo) = 1,000 grammes = 2 2 lbs = 1 07169 seer
50 kilogrammes = 1 centner = 1 cwt nearly
100 kilogrammes = 1 quintal or 1 metric centner = 1 doppelzentner = 1 dz = about 1/10th ton
1,000 kilogrammes = 1 ton (t), i e, metric ton = 19 cwt 77 lbs = 2204 6 lbs
1 cubic centimetre water = 1 gramme
1 litre water = 1 kilogramme = 2 2 lbs
1 cubic metre water = 1 metric ton = 2204 6 lbs

Nautical Measure.

6 feet = 1 fathom
100 fathoms = 1 cable length
10 cables = 1 nautical mile or knot (1 151 miles)
60 nautical miles = 1 degree

Yarn Measures.

Cotton.—Thread = 1½ yard
Lea or Skein (skn) = 120 yds
Hank (hk) = 7 skeins or Leas = 840 yards
Spindle (Spdl) = 18 hanks
Bundle hanks, either of 5 lbs or 10 lbs
Reels of cotton vary from 30 to 1,760 yards
Wool.—Warp = 80 yards
Hank = 7 warps = 560 yards
Linen.—Hank = 300 yards
Spindle = 48 hanks
Bundle = 200 hanks
Count = the number of hanks in 1 lb

Size of Papers.

	Inch		Inch
Post	19¼	×	15⅝
Demy	22½	×	17½
Sheet & Half Post	23½	×	19½
Medium	24	×	19
Royal	25	×	20
Double Foolscap	27	×	17
Super Royal	27½	×	20½

For amateur gardening read VEGETABLE AND FRUIT CULTURE, Price As. -/4/-. INDUSTRY BOOK DEPT., Calcutta.

Double Crown	30	×	20
Imperial	30	×	22
Double Post	31¼	×	19¾
Double Demy	35	×	22½
Double Royal	40	×	25

(The weight varies according to the thickness and quality of the paper, from 10 to 100 lbs.)

Miscellaneous Weights and Measures.

1 chest of opium = 140 lbs
1 maund of wool = 82 lbs
1 bale of cotton = 400 lbs
1 bale of cotton goods = 25 pieces of 30 yds
1 barrel of tar = 265 gallons
1 barrel of turpentine = 224 to 280 lbs
1 box of camphor = 112 lbs
1 bushel of wheat = 60 lbs
1 firkin of soap = 64 lbs
1 truss of straw = 36 lbs
1 hogshead of brandy = 45 to 60 gallons

Special Units

1 lakh = 1,00,000
1 crore = 100,00,000
1 gross = 12 dozen = 144 units
1 great gross = 12 gross
1 long hundred = 120 units
1 long dozen = 13 units
1 ream paper = 20 quires = 480 or 500 sheets
1 phar of lime or coal = 27 inches × 20 inches × 9 inches

Specific gravity of various materials

Specific gravity is the ratio of the weight of the material to the weight of an equal volume of water

Aluminium	2.56
Antimony	6.71
Asbestos	1.2
Asphalt	1.1—1.5
Bellmetal	8.81
Brass	8.3
Butter	0.865
Bronze	8.7
Cast Iron	7.25
Clay	3.65
Copper	8.6
Cotton	1.47
Earth	1.3—1.8
Flax	1.5
Glass	2.4—2.6
Gold	19.258
Iron Wrought	7.85
Iron Pig	7.03—7.13
Lead	11.3
Leather	0.86—1.02
Lime (slaked)	2.3—3.2
Limestone	1.86—2.84
Linseed Oil	0.93—0.94
Mica	2.65—3.2
Mercury	13.598
Nickel	8.8
Paraffin	.87—.93
Platinum	2.29—2.49
Portland Cement	1.25—1.51
Red Lead	9.07
Rosin	1.07
Salt	2.15—2.17
Sand (dry)	1.4—1.65
Silk (raw)	1.56
Silver	10.474
Slate	2.65—2.7
Starch	1.53—1.56
Steel	7.6—7.8
Sulphur	2.07
Wool	1.32
Zinc	6.8—7.1

WEIGHT & VOLUME OF WATER.

1 cub in of water = .0361 lb = 252.418 grains
1 Imperial gallon " = 10 lbs
1 cub ft " = 62.32 lbs
1 ton " = 224 gallons
1 gallon of water occupies 277.274 cub inches
1 litre of distilled water = 2.2 lbs = 1 kilo gram = 0.22 Imperial gallon
1 kilo gram = 0.22 Imperial gallon
1 lb of water = 27.68 cub in = 453.6 lbs
1 ton of water = 35.88 cub ft
1 cub ft of water = 6.232 Imperial gallons
1 pint of water = 34.672 cub in
1 oz of water = 1.729 cub in

Start Chemical Industries Get ideas from CHEMICAL INDUSTRIES, Re 1-8. Industry Book Dept., Shambazar, Calcutta

ENGINEERING MEASUREMENTS

Circumference of a circle = 3 1416 × diameter
Area of triangle = ½ base × altitude
" rectangle = length × breadth
" trapezium = ½ sum of the parallel sides × altitude
" circle = 3 1416 × (radius)²
" section of circle = length of the arc × radius
" of a segment of a circle = area of the section minus area of the triangle
" cylinders = Perimeter of the section of the base × height
" parabola = 66 × height × breadth
" ellipse = 7854 × major axis × minor axis
" sphere = 3 1416 × (diameter)²
Circumference of a circle × 31831 = the diameter
Diameter of a circle × 8862 = the side of an equal square
Side of a square × 1 128 = the diameter of an equal circle
Volume of parallelopiped = length × breadth × height
" sphere = 5239 × (diameter)³
" cone = 1 047 × (radius)² × height
Horse Power = 33,000 ft pounds of work per minute or 550 ft-pounds of work per second = 746 Watts
1 H P hr = 33,000 × 60 foot lbs
Brake Horse Power (B H P) is the power not absorbed by the engine in driving the piston but available for other work
Atmospheric pressure = 14 7 lbs per sq in = 766 mm of mercury per sq cm

THERMOMETRIC SCALES

Three different systems of thermometers are in use, viz, Fahrenheit thermometer, Centigrade thermometer, and Reaumur thermometer

In the Fahrenheit thermometer the freezing point is marked 32°, and the boiling point 212°, in the Centigrade thermometer these are marked 0° and 100° respectively while in the Reaumur thermometer these are marked 0° and 80° respectively

ELECTRIC MEASURES.

OHM the unit of resistance, is the resistance offered to an unvarying electric current by a column of mercury, at the temperature of melting ice, 14,4521 grammes in mass, of a constant cross sectional area, and of a length of 106 3 centimetres

AMPERE, the unit of current, is the unvarying electric current which, when passed through a solution of nitrate of silver in water, deposits silver at the rate of 0 001118 of a gramme per second

VOLT, the unit of pressure, is the pressure, which, when steadily applied to conductor whose resistance is one ohm will produce a current of one ampere

JOULE, the unit of work, is the energy per second of one ampere in one ohm

WATT, the unit of power, is 1/746th of one horse-power, the horse power being 33,000 lb raised one foot in one minute

B O T unit = 1,000 Watt-hours (1 kilowatta) = 3,600,000 joules = ½ h. p hours

Volts × Amperes = Watts, 1 Electric Unit = 1,000 Watt-hrs = 1 34 H P hrs

In carbon lamps of 16 candle power (nominal) about four watts are required per candle power to give good economical results for domestic purposes Metallic filament lamps require considerably less

Start Chemical Industries. Get ideas from CHEMICAL INDUSTRIES, Re 1-8. Industry Book Dept., Shambazar, Calcutta.

THICKNESS OF BIRMINGHAM WIRE GAUGES

No of gauge	Thickness in inches	No of gauge	Thickness in inches
0	340	18	049
2	340	20	035
4	238	22	028
6	203	24	022
8	165	26	018
10	134	28	014
12	109	30	012
14	083	32	009
16	065	34	007

COMBUSTION AND FUEL.

The calorific power of a fuel is the number of units of heat produced by the combustion of 1 lb weight of this fuel It is generally expressed in lbs of water evaporated from and at 212°F, and is obtained by dividing the calorific power of the fuel by 966 The following table gives calorific and evaporative power for different fuels —

	Calorific Power in B Th U	Evaporative power in lbs of water from and at 212°F
Wood air dried, with 20 % water	5,600	5 80
Peat air dried, with 20 % water	6,500	6 73
Coal lignite, air dried	11,000	11 39
Coal bituminous average	14,000	14 30
Coal anthracite, average	15,000	15 53
Coke	12,000—13,700	12 42—14 18
Petroleum	20,000	20 70

UNITS OF SALE OF COMMODITIES.

Quotations in Indian market are in rupees, annas and pies -

Bonemeal
Calcutta per ton
Karachi per md of 86 4 lbs

Bristles
Bombay per lb
Calcutta per md

Cardamoms.
Bombay per Surti maund of 39 2 lbs
Madras per maund of 25 mds

Castor Seed.
Bombay per candy of 560 lbs
Calcutta per md
Cocanada per candy of 500 lbs
Madras per candy of 500 lbs

Castor Oil
Calcutta per md
Cocanada per candy of 500 lbs
Madras per candy of 500 lbs

Cement.
English per cask.
India per ton

Chilies
Bombay per candy of 588 lbs or 21 Bombay mds
Tuticorin per tulam of 15 lbs
Negapatam per seer of 9 3/5 oz
Calcutta per md
Bombay per candy of 21 Bombay mds
Rangoon per 100 viss of 360 lbs

Coal
Calcutta per ton

Coconut Oil
Cochin per candy of 600 lbs
Calcutta per md
Mangalore per md of 28 lbs

Coffee
Bangalore per cwt or per md of 28 lbs
Tuticorin per md of 26 lbs

Copra.
Cochin per candy of 600 lbs
Madras per Dutch candy of 672 lbs

FOR NEAT PRINTING WRITE TO INDUSTRY PRESS, SHAMBAZAR, CALCUTTA.

Mangalore per md of 32 lbs

Cotton, Raw.
Bombay per candy of 784 lbs
Calcutta per md of 104 lbs.
Karachi per md of 84 lbs
Khandesh per candy of 784 lbs
Barsi per boja of 259¼ lbs
Dharwar per barmani of 336 lbs
Amreli (Kathiawar) per candy of 1028⅔ lbs
South India per candy of 500 lbs
Broach per candy of 885¾ lbs
Berar per khandi of 784 lbs
Middle Gujerat per bhar of 1020 lbs
North Gujerat per bhar of 640 lbs
Baroda per bhar of 984 lbs
Surat per candy of 800 lbs
Bhownagar per candy of 1028⅔ lbs
Tinnevelly per candy of 500 lbs
Gadag per barmani of 336 lbs

Cotton Goods.
Yarn per lb
Piecegoods per lb or per piece

Cotton Seed
Bombay per candy of 784 lbs
Karachi per standard md

Gold.
All-India per tola

Gram
Bombay per candy of 756 lbs
Karachi per candy of 656 lbs
Rangoon per 100 baskets of 65 lbs each

Groundnut.
Bombay per candy of 560 lbs
Rangoon per 100 baskets of 25 lbs each.
Madras, South per French candy of 529 109 lbs
Cuddalore per candy of 530 lbs

Groundnut Oil.
Bombay per cwt or per md of 28 lbs
Calcutta per md
Madras per candy of 500 lbs

Hides Raw.
Calcutta per 20 lbs
Bombay per lb
Karachi per md of 28 lbs.
U P per md of 28 lbs.
Punjab per md of 28 lbs.
Rangoon per md.

Hides, Tanned
All-India per lb.

Jute Bags.
Calcutta per 100 bags

Jute Cloth.
Calcutta per 100 yds

Jute Raw.
Calcutta per bale of 400 lbs
Bimlipatam per bale of 400 lbs

Kapok
Calcutta per md of 82 2/7 lbs
Bombay per candy of 784 lbs
Madras per kantlam of 1680 lbs

Kerosene Oil.
Calcutta per case of 2 tins Each containing 4 gallons

Linseed
Bombay per cwt
Calcutta per md

Linseed Oil.
Calcutta per gallon or drum

Maize.
Calcutta per md
Rangoon per 100 baskets of 55 lbs each
Karachi per candy of 656 lbs

Metals & Paints.
Calcutta per cwt

Millets.
Karachi per candy of 656 lbs
Bombay per candy of 27 Bombay maunds
Rangoon per 100 baskets of 62 lbs each

Mohua Seed.
Bombay per cwt
Calcutta per md

Myrobalans.
Madras per candy of 500 lbs
Bombay per candy of 700 lbs
Calcutta per md

Oats.
Calcutta per md
Bombay per candy of 28 Bombay mds

Paraffin Wax.
Calcutta per md
Rangoon per lb

Pepper
Tellicherry per cwt
Cochin per candy of 600 lbs
Bombay per candy of 21 Bombay mds
Calcutta per md

Petrol
Calcutta per American gallon

Pulses
Calcutta per md
Bombay per candy of 784 lbs

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Karachi per candy of 656 lbs

Rape or Mustard Seed.
Karachi per candy of 656 lbs
Bombay per cwt

Rice
Rangoon per 100 baskets of 75 lbs each
Calcutta per md
Karachi per candy of 656 lbs
Madras per bag of 164 lbs
Bombay per bag of 168 lbs

Rice, Burma
Sold to Europe per cwt of 112 lbs
" Java per picul of 135 lbs
" Manila per picul of 133⅓ lbs
Straits Settlements per covan of 5 333⅓ lbs
" Japan per picul of 136 lbs or per cwt of 112 lbs
India per bag (according to weight)

Sesame Seed
Bombay per candy of 500 lbs
Karachi per canly of 656 lbs
Madras per bag of 164 lbs

Shellac.
Calcutta per md

Silk Raw
Calcutta per factory seer
Karachi per lb
Mysore (chasam) per md of 25 lbs

Silver
All India per 100 tolas

Skins, Raw
Madras per 100 pieces
Bombay per lb
Karachi per lb

Skins, Tanned.
All-India per lb

Sugar
Calcutta per md
Bombay per cwt
Cawnpore per md
Madras per candy of 500 lbs
Coimbatore per pathi of 280 lbs

Sugar Raw (Gur)
Madras per candy of 500 lbs
Coimbatore per pathi of 280 lbs
Masulipatam per bag of 168 lbs
Tuticorin per tulam of 20½ lbs

Tea
Calcutta per lb

Tobacco.
Calcutta per md of 82 2/15 lbs
Bombay per md of 82 2/15 lbs
Rangoon per 100 viss of 360 lbs
Negapatam per seer of 24 tolas

Turmeric
Bombay per candy of 588 lbs
Cocanada per md of 25 lbs

Turpentine
Calcutta per drum

Vegetable Product.
All India per case of 2 tins of 40 lbs each

Wheat
Bombay per cwt
Karachi per candy of 656 lbs
Lyallpur per md

Wool
Bombay per candy of 588 lbs
Karachi per md of 84 lbs
Madras per lb

FOREIGN MARKETS

London
Castor seed in £ s per ton
Cement in £ s per ton
Coffee in sh d per lb
Cotton in pence per lb
Cotton seed in £ s per ton
Gold in £ s per oz
Groundnut in £ s per ton
Jute in £ s d per ton
Linseed in £ s d per ton
Metals in £ s d per ton
Pig iron in £ s per ton
Rubber in pence per lb
Rice in sh d per cwt
Shellac in sh d per cwt
Silver in pence per oz
Sugar in sh d per cwt
Tanned Hides and skins in sh d per lb
Tea in sh d per lb
Wheat in £ s per 63½ lbs

New York
Cotton in cents per lb
Hessian in cents per yd
Kerosene oil in cents per Imperial gallon
Rubber in cent per lb

Singapur
Rubber in cent per lb

Soerabaya.
Sugar in guilders per kilos

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LABOUR AND COMMERCIAL LAWS.

INDIAN FACTORIES ACT.

The history of factory legislation in India dates back to 1881 when the first Factory Act was passed at the instance of the Manchester Cotton Manufacturers for the regulation of the conditions of factory labour, specially those engaged in the growing cotton industries in Bombay The Act was applicable to "manufacturing premises using power-driven machinery and employing 100 or more persons and working for more than 4 months in the year" Indigo, tea and coffee plantations thus fell beyond the purview of the Act According to this Act, children between the age limits of 7 and 12 could not work more than 9 hours in a day, they were to be allowed an interval of rest for one hour and had to be granted four holidays in a month There were also provisions for the appointment of factory inspectors to record accidents, etc

History of the Legislation.

Further reforms were embodied in the Factory Act of 1891 which was rendered applicable to all factories employing more than 50 persons, restricted the age limit for the employment of children between 9 to 12, limited the women's hour to 11 and of children under 14 to 6 and enjoined 1½ hours' respite for women and included a weekly day of rest

The provisions underwent further modifications in the Factories Act of 1911 According to this adult males in textile factories were to work for 12 hours per day only, the factories could not use mechanical or electrical power for more than 12 hours in a day between 5 30 A M to 7 P M and were required to stop work for at least half an hour after six hours' work

The Great War influenced the labour legislation all over the world to a tremendous extent and regulation of labour assumed an international aspect The first International Labour Conference was held at Washington in 1919 and India was not slow to give effect to the Conventions adopted at the Washington Conference A new Act namely Indian Factories (Amendment) Act, 1922 came into operation in 1922 which was subsequently amended by Act IX of 1923, Act XXVI of 1926 and Act XIII of 1931

The Royal Commission of Labour presided over by Rt Hon, J H Whitley made a number of recommendations in July 1931 after an enquiry of the existing conditions of labour in industrial undertakings and plantations in British India, on the health, efficiency and standard of living of the workers and on the relations between employer and employed After examining these recommendations in detail the Government of India introduced a Bill in the Assembly in September 1933 to replace the Act of 1931.

The Bill was favourably reported on by a Select Committee on 27 February 1934, was passed by the Legislative Assembly and the Council of State on July 19 and August 14, 1934 respectively, and was assented to by the Governor General on August 20, 1934 The Act has come into force since January 1, 1935

Provisions of the Act.

The most important provisions of the Act are the following —

Definition.—"Factory" means any premises, including the precincts

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thereof, whereon 20 or more persons are working or were working on any day of the preceding 12 months A disinction is made between seasonal and non-seasonal factories, the former working only for a season, or 180 days or less in a year Moreover, the local Government is granted power to apply the Act in full or in part, by notification in the local official gazette to any premises which work with or without power, but which employ, or employed on any day within 12 months preceding the notification, 10 persons or more

Hours and Overtime—The Act lays down a 54 hour week and a 10-hour day for all adult workers in non-seasonal factories, but retains a 60-hour week and an 11-hour day in seasonal factories Adult workers in non-seasonal factories with continuous processes may however, work 56 hours in any week As regards overtime, a worker is entitled to payment at the rate of time-and a quarter for work exceeding 54 (or 56) and not exceeding 60 hours a week in a non-seasonal factory, and at the rate of time and-a half for work exceeding 10 hours a day in a non-seasonal factory or exceeding 60 hours a week in either a seasonal or a non-seasonal factory

Hours of Women and Young Persons—The hours of work of children (persons between the ages of 12 and 15) are reduced from 6 to 5 a day, and those women from 11 to 10 a day in both seasonal and non seasonal factories Adolescents, who are a new category of protected young persons between the ages of 15 and 17, may not be employed as adults without a medical certificate of physical fitness No child shall be permitted to work unless he has completed 12 years No child and no adolescent shall be allowed to work in any factory unless a certificate of fitness granted to him by a certifying surgeon is in the custody of the manager of the factory and he carries a token giving a reference to such certificate

Rest Periods—The period over which a working day may be spread is fixed at 7½ hours for children and 13 for adults whether men or women Women and children may not be employed before 6 a m or after 7 p m, but the local Government may, by notification in the local official gazette vary these limits so as to make the working day fall within any span of 13 hours between 5 a m and 7 30 p m The object of this provision is to secure for women a rest period of not less than 11 hours, as prescribed by the International Labour Convention on this subject

Health and Safety.—The provisions for health and safety have been amplified and made more definite, and the procedure of the Inspector of Factories has been made more precise The local Governments have been empowered to make rules (a) prescribing standards of artificial humidification and methods to be adopted to secure their observance, (b) protecting workers against the effects of excessive heat, (c) requiring any factory employing more than 150 workers to provide adequate shelter for the use of workers during the periods of rest, (d) requiring any factory employing more than 50 women to reserve a suitable room for use of the children of such women, and prohibiting the admission of children under the age of 6 to any part of such factory in which a manufacturing process is carried on, and (e) requiring factories to secure a certificate of the suitability of any building which is new or in which any structural alteration has been made The Governor General has also been empowered to declare what are to be regarded as hazardous operations and to secure the protection of all workers engaged in those operations Every factory shall be kept clean, well-ventilated sufficiently lighted and not overcrowded to a dangerous extent There should be sufficient supply of

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water for drinking and a sufficient number of privies and urinals. The doors should open outwards and precautions against fire taken. Machines, prime movers, etc. should be properly fenced.

Enforcement.—The provisions governing the observance of the law by employers have been clarified and elaborated: (a) while the old standard fine of 500 rupees for major offences, particularly offences committed by managers or occupiers (persons having ultimate control over the affairs) of factories, has been retained, a new feature has been added in that higher punishments may be inflicted for subsequent offences relating to hours of work, overtime, children, adolescents and women; (b) the member of a firm or association to be nominated as occupier must be resident in British India; (c) the period within which a prosecution may be preferred has been extended from six to twelve months in certain cases; and (d) all rules made under the Act, and not only the rules made by a local Government, are subject to previous publication.

THE INDIAN COMPANIES ACT.

The Indian Companies Act styled Act No. VII of 1913 has much in common with the English Companies Act and has been in operation since April 1, 1914. It extends to the whole of British India including British Baluchistan and Santhal Parganas. The Act has been modified from time to time and further amendments to the Act are under contemplation. An officer has been appointed by the Government to enquire into present conditions and report.

Main Provisions.

The immediate objectives of the Act are firstly to encourage business involving huge capitals on joint effort under a system of restricted liabilities and secondly to safeguard the interests of the investing public by framing rules and regulations in respect of constitution and incorporation, distribution, increase or reduction of share capital, management and administration, winding up, etc. which all joint-stock companies must comply with. The law provides that every company, association or partnership consisting of more than twenty persons formed to carry on trade, must be registered as a company under the Act. Another important provision of the Act is that any seven or more persons (or, where the company to be formed is a private company, any two or more persons) associate for any lawful purpose may, by subscribing their names to a memorandum of association and doing the needful in respect of registration, form an incorporated company with or without liability. Again no company, association or partnership consisting of more than ten persons shall be formed for the purpose of carrying on the business of Banking unless it is registered under the Indian Companies Act or some other Act of the Governor General in Council. Any alterations in the conditions imposed by the memorandum are permitted to be made, only subject to certain restrictions. Mention may be made here that the shares of a new flotation are not allotted until the minimum number of shares fixed in the articles of association has been subscribed for. The public companies are also guided in the management of the business by the provisions of the Act. Among others, they have to file annually with the Regisrar a statement in the form of a duly audited balance sheet giving particulars as will disclose the general nature of the liabilities of the company, the assets of it and how the value of the fixed assets have been arrived at; they have also to keep a register of members for

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inspection and to maintain a register of mortgages and charges which the public has right to inspect. The company should keep proper book of accounts in which shall be entered full, true and complete affairs and affairs of the company. In every year and at interval of not more than 15 months the accounts should be balanced, the balance sheet duly audited by the auditor of the company should be placed before the members at the general meeting and thereafter filed with the Registrar of the Joint Stock Companies.

Registration Fees.

For registration, the memorandum of Association, if accompanied by articles of association, should bear stamps worth Rs. 30 and if not so accompanied should bear stamps worth Rs. 80. Articles of association of a company registered in Bengal, Madras, C. P., U. P., Assam should bear Rs. 50 stamps; those of a Bombay firm require Rs. 25 stamps when the nominal capital does not exceed Rs. 2,500, Rs. 50 stamps when capital varies from Rs. 2,500 to Rs 1,00,000 and Rs 100 stamps when the capital exceeds a lakh. In Punjab the stamp duty on the articles is Rs. 25 where the authorised capital does not exceed Rs. 1 lakh and Rs. 50 in other cases. They also have to conform to various rules and regulations of the Act. The private limited companies, the shares of which are not advertised for sale among the public, get the benefit of being immune from any liabilities greater than the amount of the authorised share capital and are exempted from many of the obligations of the public limited companies.

SAFEGUARDING OF INDUSTRIES ACT, 1933.

At the annual general meeting of the Associated Chambers of Commerce of India in January 1933 a resolution was passed to the effect that legislation should be initiated without delay empowering the Government of India to take prompt executive action, as and when necessary, subject to subsequent ratification by the legislature, to protect indigenous industries against imports of goods from foreign countries which by reason of depreciated exchanges, bounties, subsidies or other artificial circumstances, may be sold in India at prices which will be detrimental to an indigenous industry. The legislation pressed for was duly enacted in the form of the Safeguarding of Industries Act, 1933. The Act extends to the whole of British India, except Aden and Perim, and received the assent of the Governor-General on April 16, 1933. The Act comprises four section and sections 2, 3 and 4 read as follows:—

2. (1) If the Governor-General in Council is satisfied, after such inquiry as he thinks necessary, that goods, the produce or manufacture of any country outside India are being sold in or imported into British India, at such abnormally low prices that the existence of an industry established in British India is thereby endangered, he may, by notification in the **Gazette of India**, impose on any such goods a duty of customs of such amount as he considers necessary to safeguard the interest of the industry affected.

(2) The duties imposed under sub-section (1) shall be deemed to be duties leviable under the Indian Tariff Act, 1894, and shall be in addition to any duties imposed under the Act or any other law for the time being in force, but shall not be included in the total duty upon which any additional duty imposed by section 4 of the Indian Finance Act, 1931, or section 4 of the Indian Finance (Supplementary and Extending) Act, 1931, is calculated, or operate so as in any way to affect the amount of any additional duty so imposed.

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3. (1) Every notification issued under sub-section (1) of section 2 shall be laid before both Chambers of the Indian Legislature as soon as may be after it is made, and shall cease to have effect on the expiry of two months from the last date on which it has been so laid before either Chamber unless in the meantime it has been approved by a resolution of each Chamber.

(2) Notwithstanding anything contained in section 21 of the General Clauses Act, 1897, the provisions of sub-section (1) shall not apply to the exercise by the Governor-General in Council of his powers under the said section of the said Act to add to, amend, vary or rescind any notification issued under sub-section (1) of section 2 of this Act unless such exercise has the effect of imposing a duty of customs not already imposed or of increasing a duty of customs already imposed by the original notification.

4. (1) The Governor-General in Council may, by notification in the **Gazette of India**, make rules for the purpose of carrying into effect the provisions of this Act.

(2) In particular and without prejudice to the generality of the foregoing power such rules may prescribe the conditions subject to which any goods shall be deemed to be the produce or manufacture of a particular country for the purposes of this Act.

INDIAN MINES ACT.

Indian Mines Act Amendment Bill was introduced in the Legislative Assembly on 27 January 1935, passed by the Assembly and the Council of State and assented to by the Governor General on 21 April 1935. It came into force on 1, October, 1935.

A recommendation that hours of work in mines be reduced was made by the Select Committee on the amendment of the Act as early as 1928 and was supplemented by that of the Royal Commission on Labour in 1931 as well as by both Chambers of the Indian Legislature in 1932; the latter made the recommendation in connection with the consideration of the Draft Convention adopted by the International Labour Office in 1931 limiting hours in coal-mines to 7½ a day in underground mines, and an eight-hour day and a 48 hour week in open coal mines. In the same year, the Government of India addressed a circular letter to local Governments and Administrations for their opinions, suggesting, among other things, at the same time that nine hours were as low a daily limit as could possibly be adopted at present. In the light of their opinions and criticisms, the Government of India framed the amending Bill. The principal provisions of the Act are summarised below.

Hours of Work:—The primary object of the Act is to reduce the hours of work in mines. The hours of work above ground are reduced from 60 in the week and 12 in the day, to 54 in the week and 10 in the day. The period of spread-over for work above ground is limited to 12 hours in the day including at least one hour's rest for six hours' work. The weekly hours of work below ground are still 54 as hitherto, but daily hours have been reduced from 12 to nine. Moreover, the nine hours are to be counted from the moment the worker leaves the surface until the moment when he returns to the surface; excluding the journey to and from the working face, the actual hours underground are not likely to exceed eight in most of the mines. There will be a weekly holiday as before.

The question of further reduction of hours of work, especially, work underground, was pressed in the Assembly and an undertaking

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was given by Government that after three years the whole question would be reexamined with a view to ascertaining whether they could not be further reduced

Employment of Children and Young persons:—The second object of the Act is to regulate the work of children and young persons The minimum age for employment of children in mines is raised from 13 to 15 and, as in the case of factories, children between 15 and 17 may be employed underground only when they have been duly certified by qualified medical practitioners to be physically fit for the work The certificate of fitness must be in the custody of the manager of the mines and the certified person must carry a token of such certificate while at work

Representation of Miners:—The representation of miners on the Mining Board is still another important object of the Act At present they are allowed to have one representative on the Board, who is nominated by the local government, while the mine-owners have two representatives, The new Act provides that the miners shall have the same number of representatives as the mine-owners, namely two and that in so far as the industry is organised, these representatives shall be elected

Other Provisions.—Among other important provisions may be mentioned two relating to notification of accidents A record of accidents which involve incapacitating persons for 24 hours or more must be entered in the prescribed register and copies of the entry must be submitted to the Chief Inspector of Mines twice a year, and local Governments must publish the reports of the Courts of Enquiry

Employment of Women in Mines.—The International Labour Conference has adopted a convention prohibiting the employment of women in mines The principle of this convention has already been enforced in most countries, but India expects to eliminate underground female labour by 1939 Japan has already accepted in principle the entire elimination of women from mines A first discussion of the question was held at last year's conference and the discussion at the current session was on the draft convention prepared by the International Labour Office The convention provides that national laws or regulations may exempt from the prohibition women employed in positions of management or in health and welfare services, or women who, for purposes of their studies, spend a period of training underground or who go underground occasionally for the purpose of a non-manual occupation

Forty-Hour week.—Energetic steps are being taken by the International Labour Office to translate into action the Draft Convention on the 40-hour week adopted at the recently concluded 19th session of the International Labour Conference Acting on the decision of the Conference, the International Labour Office has communicated to the Governments of Member States the texts of the Draft Convention on the reduction of hours to 40 per week, and of the resolution concerning the maintenance of the workers' standard of living The essential article of the Draft Convention regarding the 40-hour week runs as follows —

"Each member of the international labour organization, which ratifies this Convention, declares its approval of —

(a) the principle of a forty-hour week applied in such a manner that the standard of living is not reduced in consequence, and

(b) the taking or facilitating of such measures as may be judged appropriate to secure this end

Each member further undertakes to apply this principle to classes of employment in accordance with the detailed provisions to be pres-

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cribed by such separate Conventions as are ratified by that member"

The added resolution is as follows —

"The Conference, having adopted a Draft Convention declaring its approval of the principle of the forty hour week, and

'Considering that the application of this principle should not as a consequence reduce the weekly, monthly or yearly income of the workers, whichever may be the customary method of reckoning, nor lower their standard of living, invites Governments

(1) to take appropriate measures in order to ensure that any adjustment of wages and salaries should be effected as far as possible by means of direct negotiations between the employers' and workers' organizations concerned, and

(2) to take or facilitate after consultation with the organizations of employers and workers concerned, appropriate measures to enable either of the parties concerned, if agreement between them cannot be reached, to submit the dispute to bodies competent to deal with wage questions, such bodies being set up where they do not exist, for the purpose,

(3) to furnish to the International Labour Office periodic reports upon the measures they have taken for the introduction of the forty hour week and for the maintenance of the standard of living of the workers'

The Conference adopted a Convention on the application of the forty hour week principle to the glass bottle industry, and placed the question of similar Conventions for several other industries on the agenda of its 1936 session According to the latest available information, the following industries have been selected for the 1936 session (1) public works undertaken or subsidised by Governments, (2) building and civil engineering industry, (3) iron and steel works, and (4) coal mines

THE BENGAL WORKMEN'S PROTECTION ACT.

A Workmen's Protection Bill, designed to prevent recovery of debts from certain classes of workmen by besetting their place of work, was recently passed by the Bengal Legislative Council and received the assent of the Governor General on 5 March 1935

The Act provides that whoever loiters at or near any mine, dock, wharf or jetty railway station or yard or premises in which any manufacturing process is carried on, in a manner or in circumstances indicating that he is so loitering with a view to recover any debt from any workman employed in such places, shall be punished with imprisonment which may extend to six months or with fine or with both The Act applied in the first instance only to Calcutta and the ditsricts of Twenty-four Parganas, Hooghly and Howrah, but may be extended to any other area by the Local Government by notification

That besetting an industrial establishment for the recovery of debts should be made a criminal offence was recommended by the Royal Commission on Labour in India In the Report of the Commission attention was drawn to the existence of money lenders, who may be seen waiting outside the factory gate on pay-day ready to pounce on their debtors as they emerge and who depend upon the threat of violence rather than on the processes of the law

To give effect to this recommendation, Mr N M Joshi, who was a member of the Commission, introduced a Bill in the Indian Legislative Assembly on 24 March 1933 When the Bill was taken up for consideration by the House, it was stated on behalf of the Government of India that the Government had issued a circular letter on the

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subject to the various Local Governments and that the result of the consultation would be announced later The Bengal Government, however, decided to proceed with the Bill on its own account in the Bengal Legislative Council.

MADRAS MATERNITY BENEFIT BILL.

The Madras Maternity Benefit Bill, which was introduced in the Madras Legislative Council in 1933 and passed on 24-October 1934, received the assent of the Governor General on 24 February 1935 and came into force on 1 April 1935 The main provisions of the Act are as follows —

No employer shall knowingly employ a woman in any factory during the four weeks immediately following her confinement Every woman worker in a factory (seasonal factories excluded) shall be entitled to the payment of maternity benefit at the rate of eight annas a day during her absence for a maximum period of seven weeks, three weeks up to and including the day of confinement and four weeks after confinement, provided that she has been employed in the factory of the employer from whom she claims maternity benefit for a period of at least nine months preceding the date of her notice of claim Notice may be given by the woman to her employer one month before she expects to be confined or within one week after her confinement and must contain the statement that she will not work in any employment during the period for which she receives maternity benefit The Act lays down the method of payment of benefit It is not lawful for the employer to give a woman notice of dismissal during her absence in accordance with the Act or on such a day that the notice will expire during such absence Moreover, if notice of dismissal is given without sufficient cause by an employer to a woman worker within a period of three months before her confinement, the woman will not be deprived of her right to maternity benefit The Local Government may make rules for the application of the Act dealing with muster rolls, inspection of factories, etc

BOMBAY WEIGHT AND MEASURES ACT.

The Bombay Weights and Measures Act, 1932, came into force on August 1, 1935 It is being introduced in the first instance in the City of Bombay and in the districts of Broach, Surat, Thana, Bombay Suburban, Poona, Ahmednagar, Satara, Belgaum, Karachi and Sukkur including all municipal areas in those districts Once the Act comes into operation only the weights and measures specified in the Schedule to the Act can be used Briefly these include —

Weights:—The Bombay tola, seer, maund and submultiples

Dry Measures:—The Bombay seer, chatak, adpao, adholi, payah, maund and map

Liquid Measures:—The Bombay seer with sub-multiple and multiples, the Imperial gallon and the pint

Length:—The yard, inch, foot, furlong, mile, etc

All dealings or contracts made after the Act comes into force will be deemed to have been made according to the weights and measures specified in the Act and the use of any other weights or measures will be unlawful No weight or measure and no weighing or measuring instrument shall be used for trade or sold or delivered unless it has been verified, or reverified periodically, and stamped by an inspector

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The Act provides penalties for the fraudulent use of weights and measures, etc, for making, selling or disposing of false or defective weights, measures, etc, for using or possessing weights or measures other than those given in the Schedule, and various other offences of a similar character Neglect or refusal to produce weights for inspection by an inspector is also an offence The penalty in every case may be a fine or imprisonment or both The trading public must therefore examine their existing weights and measures and measuring instruments and satisfy themselves that they do not violate the Act and the Rules

The Bombay Government has prescribed the fees which will be payable by the trading public for the verification or re verification and stamping of weights and measures, etc, by the inspectors These fees range from 3 annas to 9 annas per unit of weight or measure while the fees for weighing instruments range from one rupee to 40 rupees the latter fee being for a big weighing machine of over 25 tons capacity Weights and measures and weighing instruments are liable to be seized and detained by inspectors if they do not conform to the Act or the Rules The latter make provision for the temporary use of certain weights and measures mentioned in the Act which may not exactly conform to the Rules but are within the percentages of error allowed by the Rules

It is important for traders to see that any new purchases of weights, measures or weighing instruments should conform to the legislation Dealers and manufacturers of weights and measures should also take care that they do not exceed the period of six months allowed in regard to such of their existing stock as may be within the margin of error admissible under the Rules Thereafter all weights, measures and measuring instruments sold must comply with all the provisions of the Rules and the Act

The Act and Rules apply to weights, measures measuring and weighing instruments which are in use or are intended for use for trade They do not apply to weights and measures which are in actual use in private households for household purposes Householders need therefore take no special steps in connection with their existing weights and measures It must, however, be emphasised that from the date of the introduction of the Act manufacturers of and dealers in weights and measures, etc, must not sell any weights and measures, etc, whether for private use or trading purposes, which do not comply with the Act and the Rules

The Director of Industries is responsible for the administration of the Act

BOMBAY COTTON CONTROL ACT.

The text of the Bombay Cotton Control Act which extends to the whole of the Presidency of Bombay has been published in the Bombay Government Gazette

The protected areas south of the Nerbudda river and more particularly the "South Surat" protected zone grow one of the very best cottons of India, known to the trade as "Navsari" cotton (1027 A L F) This cotton is highly appreciated in India as well as in foreign countries (Lancashire) for the reputation of its long and fine staple It is the policy of the Agricultural Department to cover the whole of the Surat Protected Area with 1027 A L F cotton which by virtue of its superior qualities is much in demand and is therefore a

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profitable crop to the cultivators. Goghari cotton is a distinctly inferior type of cotton but owing to its high yield and higher ginning percentage over the 1027 A. L. F. cotton it is often mixed with the latter as the resultant mixture when sold in the name of pure 1027 A. L. F. cotton gives a better return to the seller. This, however, is due entirely to the high reputation of the 1927 A. L. F. variety of cotton which has been grown in the area for some years now, but should the spread of Goghari cotton in the Surat tract continue it will ruin the work of the Agricultural Department, jeopardise the reputation of the 1027 A. L. F. cotton and result in a big drop in price of the cotton. This fall in price will eventually react on the grower who will therefore be the chief sufferer in the long run. All the time, labour and money spent in the introduction and spread of 1027 A. L. F. cotton in this tract, the efforts made to maintain the purity of this cotton by the application of the Cotton Transport Act to this area, the large amount of money spent by the Indian Central Cotton Committee to increase the yield by research into the physiological and entomological aspects of the problem of cotton growing in this tract, would be wasted if adequate steps are not immediately taken to eradicate Goghari cotton from the tract If Goghari cotton is allowed to spread in the tract at the rate at which it now does, growers of this area would soon reach the state of 1919 when over a lakh of bales of "Broach" cotton were rejected in Bombay as not having those qualities which cotton from this tract is supposed to have.

The application of the Cotton Transport Act in 1923 to this tract stopped the import of Goghari into Surat tract from the north of the Nerbudda river, but the seed of the Goghari cotton has continued to be imported. Existence of the Goghari cotton has been traced repeatedly in the same tract in the years 1919-20, 1926-27, 1931-32 and 1933-34 and in spite of very serious efforts to distribute large quantities of seed of 1227 A. L. F. at a great cost to Government and the Indian Central Cotton Committee and persuasion of the gin-owners to oust the Goghari cotton, this cotton has not only continued to exist in both pure as well as mixed state, but has expanded to a very serious extent. Goghari cotton formed 25 per cent of the total cotton ginned in Navsari in 1933-34. A recent report shows that even during the season 1934-35 a high percentage of Goghari mixture has been observed in a number of new villages in Jalalpore Taluka in spite of very intensive campaign against Goghari in the previous season. These facts stress the urgent necessity for legislation for the prohibition of the growing and handling of the Goghari cotton in the Surat zone, south of the Nerbudda, in the interests of the grower.

The leading traders and growers have unanimously agreed to prohibitive action against the Goghari cotton in this tract and the present Bill is drafted on the lines of the Madras Cotton Control Act of 1932.

ITALIAN LOANS & CREDITS PROHIBITION.

An Ordinance was promulgated on November 18, 1935 by the Governor General prohibiting loans and credits to Italy.

Article 2 applies to loans and credits to or for the benefit of:

(1) The Government of any Italian territory.

(2) Any person (not being a body corporate) of whatever nationality resident in such territory;

(3) Any person (wherever resident) being a body corporate incorporated under the law of any such territory.

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It must be observed that Italian nationals resident outside Italian territory are excluded from the provisions of the Ordinance, but that branches in other countries of corporations incorporated in Italian territory are included Conversely other nationals (including British Indian) resident in Italian territory are included under the provisions of the Ordinance but branches in Italian Territory of Corporations incorporated in other countries are excluded

Loans and Banking Credits.

(a) Prohibited Business Generally speaking, the following business is prohibited by the Ordinance —

(i) Loans, advances and guarantees to or for the benefit of "Italians",

(ii) Acceptance or endorsement of any bill of exchange drawn by an "Italian" or for the benefit of an "Italian"

(iii) Purchase of any bill of exchange (other than a bill payable on demand) from an "Italian" holder,

(iv) Issue of or subscription for shares in an "Italian" corporation

(b) Permitted Business Other banking business with "Italians" which does not involve credit facilities is not prohibited Thus the Ordinance permits the remittance of funds, the purchase and sale (under ruling market conditions of payment and delivery) of currencies and of stocks, shares and bonds, the payment of interest, dividends, coupons, etc

(c) Contracts with "Italians" In so far as this Ordinance prohibits, with effect from the 18th of November, the financial operations necessary for the further execution of any existing contracts, the Ordinance will have to be compiled with notwithstanding any thing in any such contract Thus the unavailed portion of any confirmed advance or overdraft credit will be cancelled, but to the extent to which such credits have been availed of before the 18th of November 1935 repayment need not be called for until the expiry of the period for which the credit was granted In the case of acceptance credits, bills of exchange accepted before that date need not be taken up by acceptors before maturity, but may not be replaced at maturity by renewal bills

(d) Contracts with "non-Italians"

The Ordinance does not prohibit the financial operations necessary for the further execution of any contract made with a "non-Italian" before the 18th of November 1935, thus any credit opened under such a contract, even if used for the benefit of an "Italian," may be maintained until the expiry of the contract

Sale of goods The Ordinance prohibits as from the 18th of November 1935 the giving of credit to or for the benefit of an "Italian" in connection with a sale of goods Goods may not, as from the same date, be supplied on credit under existing contracts, even where the terms of the contract involve the giving of credit An exception to this is made in the case of contracts made before the 18th of November 1935 with "non-Italians"

Payment for non-prohibited exports to Italy must be received prior to the delivery of the goods or of the documents of title Export transactions on a c i f basis may therefore only be conducted on the terms of payment against delivery of document or goods In the case of f c b transactions payment must be received before the goods are exported The granting of any credit to an "Italian" during the transit of goods and before possession has passed is a contravention of the Ordinance. The export of goods from India to an "Italian" on consignment sale is also inadmissible

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Customary settlements of account in connection with insurance contracts, stock exchange transactions, railway clearings, etc are not affected by the Ordinance

ITALIAN TRADE RESTRICTIONS ACT.

In exercise of the powers conferred by section 19 of the Sea Customs Act 1878 (VII of 1878), the Governor-General in Council is pleased (a) to prohibit the taking by sea or by land out of British India of the goods specified in the schedule to Italy or to any Italian possession and (b) to restrict in the following manner the taking by sea or by land out of British India except with the permission of the Chief customs officer who shall not grant such permission unless he is satisfied that it is not intended that such goods shall be taken to Italy or any Italian possession

In exercise of the powers conferred by section 19 of the Sea Customs Act, the Governor General in Council is pleased to prohibit the bringing by sea or by land into British India of goods (other than gold or silver bullion and coin) from whatever place arriving consigned from or grown produced or manufactured in Italy or any Italian possession

Provided that the foregoing prohibition shall not apply to goods brought into British India within one calendar month of the date of this notification or to goods which are personal effects of passengers

Explanation —

Goods grown or produced in Italy or in any Italian possession which have been subjected to any process in another country and goods manufactured partly in Italy or in any Italian possession and partly in another country shall be deemed to fall within the scope of the foregoing prohibition unless 25 per cent or more of the value of the goods at the time when they left the place from which they were last consigned is attributable to processes undergone since the goods left Italy or any Italian possession

MATCHES (EXCISE DUTY) ORDER, 1934: AMENDMENTS.

The following Notification (No 16 Central Excises dated the 24th August 1935) has been issued by the Government of India in the Finance Department (Central Revenues) —

In exercise of the powers conferred by sections 17 and 18 of the Matches (Excise Duty) Act, 1934 (XVI of 1934), the Governor General in Council is pleased to direct that the following further amendments shall be made in the Matches (Excise Duty) Order 1934 namely —

In forms A and C of the forms appended to the said order, for conditions I and II the following conditions shall be substituted namely,

I That he produce this license on demand by the Collector or Inspecting Officer

II That he permit inspection of the licensed premises, the machinery, the stocks and the accounts by the Collector or Inspecting Officer

1 After clause 23 of the said Order the following clause shall be inserted, namely —

23A The Collector may issue to any person, firm or company a license in Form E appended to these rules to import splints and veneers by land into British India from any place outside India or subject to any prohibition for the time being in force under section 7 of the Act from the territories of any Prince or Chief in India"

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2 In form C of the forms appended to the said Order, for condition V the following condition shall be substituted, namely —

"V That he issue no splints or veneers out of the licensed premises except to a person licensed to manufacture matches in British India or in the territories of a Prince or Chief in India from which the bringing of matches into British India is not for the time being prohibited under section 7 of the Act"

3 In form D of the forms appended to the said Order, for condition III the following condition shall be substituted, namely —

"III That he keep all splints and veneers imported under this licence within his own custody or control until they are supplied to a person licensed to manufacture matches in British India or in the territories of a Prince or Chief in India from which the bringing of matches into British India is not for the time being prohibited under section 7 of the Act"

4 After form D of the forms appended to the said Order, the Licence Form for the importation of splints and veneers by land shall be added

Matches (Excise Duty) Order, 1934 Duty on Matches of the type known as "Bengal Lights"

The following Notification (No 14-Central Excises, dated the 29th June, 1935) has been issued by the Government of India in the Finance Department (Central Revenues) —

In pursuance of clause 14 of the Matches (Excise Duty), Order, 1934, the Governor-General in Council is pleased to exempt matches of the type known as "Bengal Lights" in boxes containing not more than twelve matches each from so much of the duty leviable under clause (a) of section 4 of the Matches (Excise Duty) Act, 1934 (XVI of 1934), as is in excess of five annas per gross of boxes

AMENDMENTS IN NORTHERN INDIA SALT RULES, 1931.

The following Notification (No 53-Salt, dated the 7th December, 1935) has been issued by the Government of India in the Finance Department (Central Revenues) —

In exercise of the powers conferred by the Indian Salt Act, 1882 (XII of 1882), the Governor General in Council is pleased to direct that the following further amendments shall be made in the Northern India Salt Rules, 1931 (**vide the Gazette of India**, dated the 7th November, 1931), namely —

For rules 8 and 9 of the said Rules the following rules shall be substituted, namely —

"8 The import into British India from any State in India adjoining territory in British India to which these rules apply, of salt other than salt.

(a) manufactured in British India or at the salt sources of Sambhar, Didwana and Pachbadra in the States of Jaipur and Jodhpur or at the salt sources of Guman and Darang in the States of Mandi, or

(b) on which the British Indian salt duty has been proved to the satisfaction of the Commissioner, Northern India Salt Revenue to have been paid is prohibited

9 Notwithstanding anything contained in rule 8, the import into any part of British India of salt which has been obtained in the manufacture of saltpetre and on which duty at the rate chargeable in respect of the same class of salt manufactured in British India has not been

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proved to the satisfaction of the Commissioner, Northern India Salt Revenue, to have been paid in the place where such salt was obtained is prohibited"

(1) In rule 14 of the said rules, for sub-rule (5) the following sub-rule shall be substituted, namely —(5) that no salt or sitta (impure salt which is not fit for human consumption) shall be removed from the refinery except with the sanction in writing of the Salt Revenue Officer in charge of the circle and on payment of the duty for the time being leviable thereon The schedule annexed to the said Rules shall be omitted

Duty of Salt removed from Saltpetre Refineries.

The duty imposed on salt and sitta removed from saltpetre refineries in the Punjab, the Province of Delhi, the United Provinces of Agra and Oudh, Ajmer-Merwara, and the Districts of Bihar and Orissa in which the Indian Salt Act, 1882 (XII of 1882) is in force is hereby reduced in the case of salt to 8 annas and in the case of Sitta to 1 anna per maund of 82 pounds avoirdupois Explanation —"Sitta" means impure salt which is not fit for human consumption

THE INDIAN COFFEE CESS ACT, 1935.

The following Act of the Indian Legislature received the assent of the Governor General on the 2nd November, 1935 —

Act No. XIV of 1935.

An Act to provide for the creation of a fund for the promotion of the cultivation, manufacture and sale of Indian coffee

Whereas it is expedient to provide for the creation of a fund to be expended by a Committee specially constituted in this behalf for the promotion of the cultivation, manufacture and sale of Indian coffee, It is hereby enacted as follows —

1 **Short title and extent**—(1) This Act may be called the Indian Coffee Cess Act, 1935

(2) It extends to the whole of British India except Burma

3 **Imposition of coffee cess.**—A customs duty shall be levied on all coffee produced in India and taken by sea or by land to any place beyond the limits of British India or to Burma at the rate of one rupee per hundred weight or at such lower rate as the Governor General in Council may, on the recommendation of the Committee, by notification in the **Gazette of India** provide

4 **Constitution of Indian Coffee Cess Committee.**—(1) The Governor General in Council shall constitute a Committee consisting of the following members to receive and expend the proceeds of the coffee cess, namely —

(i) five persons representing respectively the agricultural departments of the Local Governments of Madras and Coorg and of the Governments of the States of Mysore, Travancore and Cochin, nominated, respectively, by those Governments,

(ii) eleven persons representing the coffee growing industry, namely —

(a) three persons nominated by the Government of the Mysore State;

(b) two persons nominated by the Local Governments of Madras and Coorg, respectively;

(c) three persons nominated by the United Planters' Association of Southern India; and

(d) three persons nominated by the Coffee Growers' Association;

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(iii) three persons representing trade interests nominated by the Governor General in Council, and

(iv) one person representing the Imperial Council of Agricultural Research nominated by the Governor General in Council

8 **Application of proceeds of coffee cess.**—(1) On the last day of each month, or as soon thereafter as may be convenient, the Collector shall pay to the Committee the proceeds of the coffee cess recovered during that month, after deduction of the expenses, if any, for collection and recovery

(2) The said proceeds and any other monies received by the Committee in this behalf shall be applied to meeting the expenses of the Committee and the cost of such measures as it may consider advisable to undertake for promoting the sale and increasing the consumption in India and elsewhere of coffee produced in India and also for promoting agricultural and technological research in the interest of the coffee industry in India

9 **Refund of and exemption from coffee cess**—The Central Board of Revenue constituted under the Central Board of Revenue Act, 1924 (V of 1924), may make rules providing, on such conditions as may be specified in the rules, for—

(a) the refund of the coffee cess levied where coffee s exported by land and subsequently imported into India, and

(b) the export by land, without payment of the coffee cess, of coffee which is subsequently to be imported into India

10 **Keeping and auditing of accounts**—(1) The Committee shall keep accounts of all monies received and expended under section 8

(2) Such accounts shall be examined and audited annually by auditors appointed in this behalf by the Governor General in Council, and such auditors shall have power to disallow any item which has, in their opinion, been expended otherwise than in pursuance of the purposes of this Act

(3) If any item is disallowed, an appeal shall lie to the Governor General in Council, whose decision shall be final

11 **Dissolution of Committee**—The Governor General in Council may, by notification in the **Gazette of India**, declare that, with effect from such date as may be specified in the notification, the Committee shall be dissolved, and on the making of such declaration all funds and other property vested in the Committee shall vest in His Majesty and this Act shall be deemed to have been repealed

12 **Rules.**—(1) The Governor General in Council may, after consulting the Committee, by notification in the **Gazette of India**, make rules to carry out the purposes of this Act

13 **Bye-laws.**—The Committee may, with the previous sanction of the Governor General in Council, make bye-laws consistent with this Act and with the rules made thereunder

THE INDIAN TEA CESS (AMENDMENT) ACT, 1935.

The following Act of the Indian Legislature received the assent of the Governor General on the 13th April, 1935 —

Act No. III of 1935.

An Act further to amend the Indian Tea Cess Act, 1903, for a certain purpose

Whereas it is expedient further to amend the Indian Tea Cess Act, 1903 (IX of 1903), for the purpose hereinafter appearing, It is hereby enacted as follows —

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1 **Short title.**—This Act may be called the Indian Tea Cess (Amendment) Act, 1935

2 **Amendment of Section 3, Act IX of 1903.**—In section 3 of the Indian Tea Cess Act, 1903 (IX of 1903), for the words "eight annas" the words "twelve annas" shall be substituted

THE SUGAR PRODUCTION RULES, 1935.

The following Notification (No F 359/33-A, dated the 9th September, 1935) has been issued by the Government of India in the Imperial Council of Agricultural Research Department —

In exercise of the powers conferred by section 5 of the Sugar Industry (Protection) Act, 1932 (XIII of 1932), the Governor-General in Council is pleased to make the following rules —

RULES.

1 **Short title and commencement**—

(i) These rules may be called "The Sugar Production Rules, 1935"

(ii) They shall come into force on the 1st day of November, 1935

2 **Definitions.**—In these rules, unless there is anything repugnant in the subject or context,—

(a) "Factory" means a factory as defined in clause (j) of section 2 of the Factories Act, 1934

(b) "Sugar Factory" means a factory for the manufacture of sugar from cane, **gur**, jaggery or any other raw material by any process

(c) "Central Sugar Factory" means a Sugar Factory manufacturing sugar from cane or juice by the Vacuum Pan process

(d) "Refinery" means a sugar factory working with raw sugar, **gur**, rab or any raw material other than sugarcane or cane juice

(e) "Central Refinery" means a refinery working by the Vacuum Pan process

(f) "Form" means a form appended to these rules

(g) 'Owner" includes a Managing Agent or other person authorised to represent the owner

(h) "Sugar Technologist" means the Sugar Technologist of the Imperial Council of Agricultural Research, India, Cawnpore

(i) "Maund" means the Standard Maund equal to 82 2/7 lbs Avoirdupois

3 **Owner of Factory to give notice**—

(i) The owner of every sugar factory shall submit annually before the 31st October or the date on which work commences for the season, whichever may be earlier, a return in form "A"

(ii) Whenever another person is appointed as Manager of a sugar factory, the owner shall send a written Notice of the change within seven days from the date on which the new Manager assumes charge

4 **Particulars of returns and period of submission.**—The owner of a Sugar Factory specified in column 1 of the schedule shall submit the return specified in column 2 of that schedule in the form specified in column 3 within the period or by the date or dates indicated in each form

5 **Authority to whom returns to be submitted.**—The notices, statements and returns required by these rules shall be submitted to the Sugar Technologist.

6 **Confidential nature of returns**—All information contained in the statements or returns required by these rules shall be treated as confidential, where the publication of any such information is necessary in the interests of the industry, care shall be taken that the names of individual factories are not divulged

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7 **Information regarding Data to be supplied.**—The Sugar Technologist may require the owner of a factory to supply information showing the data on which any return or statement required by these rules is based

After Rule 7 of the said Rules the following rules shall be added, namely —

8 On receipt of a notice of occupation in Form A the Sugar Technologist shall allot a private number to each sugar factory and communicate it to the owner or person authorised to represent the owner This private number shall appear in all future returns for the reason and the name of the factory shall not be given The list of private numbers shall be a confidential document

9 The owner or manager of each factory shall send monthly to the Sugar Technologist throughout the season a declaration to the effect to the figures given in the returns are true to the best of his knowledge and belief

SCHEDULE

(See Rule 4).

1 Factory	2 Returns	3 Form
1 All Sugar Factories working with Cane	First and Final Sugar Production Forecasts	B(i)
Ditto	Monthly return of cane purchased	C
2 All Refineries	First and Final Sugar Production Forecasts	B(ii)
3 Central Sugar Factories	Monthly Manufacturing Report	D(i)
Ditto	Final Manufacturing Report	E(i)
Ditto	Annual statement showing cost of production of sugar	F(i)
4 Central Refineries	Monthly Manufacturing Report	D(ii)
Ditto	Final Manufacturing Report	E(ii)
Ditto	Annual statement showing cost of production of sugar	F(ii)
5 Sugar Factories other than Central Sugar Factories and Central Refineries	Monthly Manufacturing Report	D(iii)
Ditto	Final Manufacturing Report	E(iii)
Ditto	Annual statement showing cost of production of sugar	F(iii)
Ditto	Monthly Statement of sugar prices and stocks	G(ii)
6 Central Sugar Factories and Central Refineries	Monthly statement of sugar prices and stocks	G(i)

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RESERVE BANK OF INDIA ACT, 1934.

The main features of the Reserve Bank of India Act —

Constitution

(1) The Bank is to be a share-holders' Bank and will have an original share capital of Rs 5 crores divided into fully paid up shares of Rs 100 each Capital is to be distributed on a regional plan and separate registers of shareholders shall be kept at Bombay, Calcutta Delhi, Madras and Rangoon Shares shall be transferable from one register to another A shareholder will be registered as such in the area in which he is ordinarily resident or has his principal place of business, and must be a person domiciled in India, or a British subject ordinarily in India, and domiciled in any part of the British Empire, the Government of which does not discriminate in any way against Indians, or a company registered under the Indian Companies Act, or a company incorporated under a law of any part of the British Empire, the Government of which does not discriminate in any way against Indians, and having a branch in British India Value of shares alloted to different registers Bombay—Rs 140 lakhs, Calcutta—Rs 145 lakhs, Delhi—Rs 115 lakhs, Madras—Rs 70 lakhs Rangoon—Rs 30 lakhs In allotting the shares the Central Board of the Bank must give preference to applications for five shares each, so as to distribute the shares and the shares and the voting rights attached to them as widely as possible

(2) The constitution of the Bank shall include a Central Board and the different Local Boards The Central Board shall consist of a Governor and two Deputy Governors appointed by the Governor-General-in-Council after considering Board's recommendations four directors to be nominated by the Governor-General in-Council, and eight directors (two each for the Bombay, Calcutta and Delhi registers and one each for the Madras and Rangoon registers), elected by the Local Boards and one Government official to be nominated by the Governor-General in-Council The Deputy Governors and the Government Official may take part in deliberations but shall not be entitled to vote in any meeting of the Board The Governor and the Deputy Governor shall hold office for a term not exceeding five years as the Governor-General-in-Council may fix and will be eligible for re appointment

The other nominated Directors will hold office during the pleasure of the Governor-General-in-Council The elected Directors will hold office for five years, and will be eligible for re-election

A Local Board for each of the areas assigned to the five registers will consist of five members elected from among themselves by the shareholders registered in each area at least six months previously and holding at least five shares, and not more than three members nominated by the Central Board Each shareholders will have an additional vote for each additional five shares, subject to a maximum of ten votes Fresh election or nomination of the members of each Local Board will take place at any time determined by the Central Board within three months preceding the date on which the Directors of the Central Board representing the shareholders are due to retire, but the outgoing members will be eligible for re-election or re-nomination A Local Board will advise the Central Board on such matters as are referred to it, and will perform such duties as are delegated to it by the Central Board by means of regulations

No person can be a Director of the Central Board or a member of a Local Board, who—

(1) is a Government official or an official of an Indian State,

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(2) or is, or at any time has been, adjudicated an insolvent, or has suspended payment, or has compounded with his creditors,

(3) or is an employee of any bank, or is a director of any bank other than a co-operative bank,

(4) or does not hold unencumbered shares of the Bank of a nominal value of not less than Rs. 5000 at any time after six months from the date of his nomination or election,

(5) or is a member of the Central Legislature or a Provincial Legislature in India.

The first and third restrictions, however, will not apply to the Governor, Deputy Governors and the Official representing Government on the Central Board.

The Central Board will meet at least six times each year. A general meeting of the shareholders will be held annually within six weeks from the date on which the annual accounts of the Bank are closed, and additional general meetings may be convened by the Central Board at any other time. All the Directors of the Central Board constituted for the first time will consist of the nominees of the Governor-General-in-Council

General Functions of the Bank.

The Bank shall be authorised to carry on and transact the several kinds of business hereinafter specified, namely:—

(1) the accepting of money on deposit without interest from, and the collection of money for, the Secretary of State in Council, the Governor-General-in-Council, Local Governments, States in India, local authorities, banks and any other persons;

(2) (a) the purchase, sale and rediscount of bills of exchange and promissory notes, drawn on and payable in India and arising out of bonafide commercial or trade transactions bearing two or more good signatures, one of which shall be that of a scheduled bank and maturing within ninety days from the date of such purchase or rediscount, exclusive of days of grace;

(b) the purchase, sale and rediscount of bills of exchange and promissory notes, drawn and payable in India and bearing two or more good signatures, one of which shall be that of a scheduled bank, of a provincial co-operative bank, and drawn or issued for the purpose of financing seasonal agricultural operations or the marketing of crops, and maturing within nine months from the date of such purchase or re-discount exclusive of days of grace;

(c) the purchase, sale and rediscount of bills of exchange and promissory notes drawn and payable in India and bearing the signature of a scheduled bank, and issued, or drawn for the purpose of holding or trading in securities of the Government of India or a Local Government, or such securities of States in India as may be specified in this behalf by the Governor-General-in-Council on the recommendation of the Central Board, and maturing within ninety days from the date of such purchase or rediscount, exclusive of days of grace;

(3) (a) the purchase from and sale to scheduled banks of sterling in amounts of not less than the equivalent of one lakh of rupees;

(b) the purchase, sale and rediscount of bills of exchange (including treasury bills) drawn in or on any place in the United Kingdom and maturing within ninety days from the date of purchase, provided that no such purchase, sale or rediscount shall be made in India except with a scheduled bank; and

(c) the keeping of balances with banks in the United Kingdom;

(4) the making to States in India, local authorities, schedule banks and provincial co-operative banks of loans and advances, repayable on

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demand or on the expiry of fixed periods not exceeding ninety days, against the security of :—

(a) stocks, funds and securities (other than immovable property) in which a trustee is authorized to invest trust money by any Act of Parliament or by any law for the time being in force in British India;

(b) gold or silver or documents of title to the same;

(c) such bills of exchange and promissory-notes as are eligible for purchase or rediscount by the Bank;

(d) promissory notes of any scheduled bank or a provincial co-operative bank, supported by documents of title to goods which have been transferred, assigned, or pledged to any such bank as security for a cash credit or overdraft granted for bonafide commercial or trade transactions, or for the purpose of financing seasonal agricultural operations or the marketing of crops;

(5) the making to the Governor-General-in-Council and to such Local Governments as may have the custody and management of their own provincial revenues of advances repayable in each case not later than three months from the date of the making of the advance;

(6) the issue of demand drafts made payable at its own offices or agencies and the making, issue and circulation of bank post bills;

(7) the purchase and sale of Government securities of the United Kingdom maturing within ten years from the date of such purchase;

(8) the purchase and sale of securities of the Government of India or of a Local Government of any maturity or of such securities of a local authority in British India or of such States in India as may be specified in this behalf by the Governor-General-in-Council on the recommendation of the Central Board; Provided that securities fully guaranteed as to principal and interest by the Government of India, a Local Government, a local authority or a State in India shall be deemed for the purposes of this clause to be securities of such Government, authority or State: Provided further that the amount of such securities held at any time in the Banking Department shall be so regulated that :—

(a) the total value of such securities shall not exceed the aggregate amount of the share capital of the Bank, the Reserve Fund and three-fifths of the liabilities of the Banking Department in respect of deposits;

(b) the value of such securities maturing after one year shall not exceed the aggregate amount of the share capital of the Bank, the Reserve Fund and two-fifths of the liabilities of the Banking Department in respect of deposits; and

(c) the value of such securities maturing after ten years shall not exceed the aggregate amount of the share capital of the Bank and the aggregate amount of the share capital of the Bank and the Reserve Fund and one-fifth of the liabilities of the Banking Department in respect of deposits;

(9) the custody of monies, securities and other articles of value, and the collection of the proceeds, whether principal, interest or dividends, of any such securities;

(10) the sale and realization of all property, whether movable or immovable, which may in any way come into the possession of the Bank in satisfaction, or part satisfaction, of any of its claims;

(11) the acting as agent for the Secretary of State in Council, the Governor-General-in-Council or any Local Government or local authority or State in India in the transaction of any of the following kinds of business, namely :—

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(a) the purchase and sale of gold or silver;

(b) the purchase sale, transfer and custody of bills of exchange, securities or shares in any company,

(c) the collection of the proceeds, whether principal, interest or dividends, of any securities or shares,

(d) the remittance of such proceeds, at the risk of the principal, by bills of exchange payable either in India or elsewhere,

(e) the management of public debt,

(12) the purchase and sale of gold coin and bullion,

(13) the opening of an account with or the making of an agency agreement with, and the acting as agent or correspondent of a bank which is the principal currency authority of any country under the law for the time being in force in that country or any international bank formed by such banks, and the investing of the funds of the Bank in the shares of any such international bank,

(14) the borrowing of money for a period not exceeding one month for the purposes of the business of the Bank and the giving of security for money so borrowed Provided that no money shall be borrowed under this clause from any person in India other than a scheduled Bank, or from any person outside India other than a bank which is the principal currency authority of any country under the law for the time being in force in that country Provided further that the total amount of such borrowings from persons in India shall not at any time exceed the amount of the share capital of the Bank,

(15) the making and issue of bank notes subject to the provisions of this Act, and

(16) generally, the doing of all such matters and things as may be incidental to or consequential upon the exercise of its powers or the discharge of its duties under this Act

Central Banking Functions of the Bank

The Bank shall undertake to accept monies for account of the Secretary of State in Council and the Governor-General-in-Council and such Local Governments as may have the custody and management of their own provincial revenues, and such States in India as may be approved of and notified by the Governor-General in-Council in the Gazette of India, and to make payments up to the amount standing to the credit of their accounts respectively, and to carry out their exchange, remittance and other banking operations including the management of the public debt.

(1) The Governor-General in-Council and such Local Governments as may have the custody and management of their own provincial revenues shall entrust the Bank, on such conditions as may be agreed upon, with all their money, remittance exchange and banking transactions in India and, in particular shall deposit free of interest all their cash balances with the Bank,

Provided that nothing in this sub-section shall prevent the Governor-General-in-Council or any Local Government from carrying on money transactions at places where the Bank has no branches or agencies, and the Governor-General-in-Council and Local Governments may hold at such places such balances as they may require

(2) The Governor-General-in-Council and each Local Government shall entrust the Bank, on such conditions as may be agreed upon, with the management of the public debt and with the issue of any new loans

(3) In the event of any failure to reach agreement on the conditions referred to in this section the Governor-General-in-Council shall decide what the conditions shall be

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(4) Any agreement made under this section to which the Governor-General-in-Council or any Local Government is a party shall be laid, as soon as may be after it is made, before the Central Legislature and in the case of a Local Government before its local Legislature also

Right to Note Issue.

(1) The Bank shall have the sole right to issue bank notes in British India, and may, for a period which shall be fixed by the Governor-General-in-Council on the recommendation of the Central Board, issue currency notes of the Government of India supplied to it by the Governor-General-in Council, and the provisions of this Act applicable to bank notes shall, unless a contrary intention appears, apply to all currency notes of the Government of India issued either by the Governor-General-in-Council or by the Bank in like manner as if such currency notes were bank notes, and references in this Act to bank notes shall be construed accordingly

(2) On and from the date on which this Chapter comes into force the Governor-General in-Council shall not issue any currency notes

(3) The issue of bank notes shall be conducted by the Bank in an Issue Department which shall be separated and kept wholly distinct from the Banking Department, and the assets of the Issue Department shall not be subject to any liability other than the liabilities of the Issue Department as hereinafter defined in section 34

(4) The Issue Department shall not issue bank notes to the Banking Department or to any other person except in exchange for other bank notes or for such coin, bullion or securities as are permitted by this Act to form part of the Reserve

Subject to the provisions of subsection (2), every bank note shall be legal tender at any place in British India in payment or on account for the amount expressed therein, and shall be guaranteed by the Governor-General-in-Council

Powers of the Governor-General to Supersede Central Board.

(1) If in the opinion of the Governor-General-in Council the Bank fails to carry out any of the obligations imposed on it by or under this Act he may, by notification in the Gazette of India, declare the General Board to be superseded, and thereafter the general superintendence and direction of the affairs of the Bank shall be entrusted to such agency as the Governor-General-in-Council may determine, and such agency may exercise the powers and do all acts and things which may be exercised or done by the Central Board under this Act

(2) When action is taken under this section the Governor-General-in-Council shall cause a full report of the circumstances leading to such action and of the action taken to be laid before the Central Legislature at the earliest possible opportunity and in any case within three months from the issue of the notification superseded in the Board

Obligation to Sell and Buy Sterling

The Bank shall sell, to any person who makes a demand in that behalf at its office in Bombay, Calcutta, Delhi, Madras or Rangoon and pays the purchase price in legal tender currency, sterling for immediate delivery in London, at a rate not below one shilling and five pence and forty-nine sixty-fourths of a penny for a rupee

Provided that no person shall be entitled to demand to buy an amount of sterling less than ten thousand pounds

The Bank shall buy, from any person who makes a demand in that behalf at its office in Bombay, Calcutta, Delhi, Madras or Rangoon, sterling for immediate delivery in London, at a rate not higher than one shilling and six pence and three-sixteenths of a penny for a rupee:

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Provided that no person shall be entitled to demand to sell an amount of sterling less than ten thousand pounds

Provided further that no person shall be entitled to receive payment unless the Bank is satisfied that payment of the sterling in London has been made

Allocation of Surplus.

After making provision for bad and doubtful debts, depreciation in assets, contributions to staff and superannuation funds, and such other contingencies as are usually provided for by bankers, and after payment out of the net annual profits of a cumulative dividend at such rate not exceeding five per cent per annum on the share capital as the Governor-General-in-Council may fix at the time of the issue of shares, a portion of the surplus shall be allocated to the payment of an additional dividend to the shareholders calculated on the scale set forth in the Fourth Schedule and the balance of the surplus shall be paid to the Governor General in Council

Provided that if at any time the Reserve Fund is less than the share capital, not less than fifty lakhs of rupees of the surplus, of the whole of the surplus if less than that amount, shall be allocated to the Reserve Fund

No Opium Production in the Punjab.—The Government of the Punjab has prohibited, from April 1 next, the cultivation of poppy in the last bit of tract on which opium is still being produced This entails a permanent loss to the Government of Rs 10,000 annually representing, as it does, the remission of land revenue to compensate the cultivators of the tract concerned

It may be recalled that the Government of India is committed, under an international agreement, to restrict production of opium all over India, and to bring it under control Provincial Governments are co-operating with the Central Government in this matter The Punjab Government of India in the Finance Department, the basic quotas of tion in the province

RUBBER QUOTA.

According to a Resolution dated the 4th January, 1936 of the Government of India in the Finance Department, the basic quotas of exports of rubber allotted to Burma are as follows —

1935	8,000 tons
1936	*8,500 ,,
1937	9,000 ,,
1938	9,250 ,,

The basic quotas of exports allotted to India (excluding Burma)

1935	*12,500 tons
1936	*12,500 ,,
1937	*12,500 ,,
1938	*13,000 ,,

* Subject to ratification by countries parties to the Inter-Governmental Rubber Agreement

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COMMERCIAL ASSOCIATIONS.

CONNECTED WITH INDIAN TRADES.

There are a number of commercial organisations such as the Chamber of Commerce, trade associations and the planters' associations to safeguard the interests of the commercial community and give expression to their grievances to the Government of India and the provincial Governments as well One of the most important functions they have to perform is to express their opinion on the various measures adopted by the Government as are likely to wield considerable influence over the commercial, industrial and economic developments of the country The Central and Provincial Governments also generally invite the views of the leading Chambers of Commerce and Trade Associations before adopting any measures of fundamental importance to the commercial public The membersh p of the most prominent of these associations is mainly restricted to European merchants though open to Indians also, but a recent development in progress is the const tution of Indian Chambers of Commerce to focus the commercial sentiment from the Indian point of view Chief among these are Indian Merchants' Chamber in Bombay, Bengal National Chamber of Commerce in Calcutta, South Indian Chamber of Commerce in Madras, etc, etc The membership of most of these bodies is confined to the province or city where their headquarters are situated but they maintain close touch with similar organisations at other trade centres The European Chambers of Commerce are mostly affiliated to the Associated Chambers of Commerce in India while the Indian Chambers of Commerce have established an association for themselves which has gained considerable importance as Federation of Indian Chambers of Commerce These Associations hold their sessions annually

In view of the very important services these Chambers of Commerce render by voicing the feelings which lead to greater trade and industries, these enjoy special privileges at the hands of the Government The Bengal and Bombay Chamber of Commerce have the privilege of electing a representative each to the Legislative Assembly and the Council of State, and six and two representatives, respectively, to the Legislative Councils of their Local Governments The Madras Chamber elects two representatives to the Legislative Council of that Presidency, and the Rangoon Chamber two to that of the Governor of Burma A similar privilege is enjoyed by the Upper India Chamber of Commerce in respect of the Legislative Council of the United Provinces Besides a number of seats are allotted to other commercial and industrial associations in the Legislative Assembly and the Legislative Councils of the major Provinces, the seats reserved for them being as follow —Assembly, 4, Bengal, 15, Bombay, 7, Madras, 5, Burma, 6, U P, 3, Punjab 2, C P and Berar, 2 and Assam, 1 The Chambers are also represented in quasi Government institutions

A list of Indian Chambers of Commerce, Trade Associations and Planters' Association is given below —

CHAMBERS OF COMMERCE

Calcutta.

Associated Chamber of Commerce, 2, Clive Street, Calcutta

Bengal Chamber of Commerce, 2, Clive Street, Calcutta

Bengal National Chamber of Commerce, 2, Royal Exchange Place, Calcutta

MANUFACTURE TOBACCO, SNUFF, SURTI, ZARDA, etc., Read "Indian Tobacco & Its Preparations" Re. 1-8. Industry Book Dept. Cal.

Indian Chamber of Commerce, 135, Canning Street, Calcutta
Marwari Chamber of Commerce, 203-1, Harrison Road, Calcutta.
Moslem Chamber of Commerce, 22, Canning Street, Calcutta.

Bombay.

Bombay Chamber of Commerce, Graham's Buildings, Parsi Bazar Street, Fort, Bombay.
Indian Merchants' Chamber, "The Recluse," 31, Murzban Road, Fort, Bombay
Maharashthra Chamber of Commerce, Phoenix Building, Graham Road, Ballard Estate, Bombay
Marwari Chamber of Commerce, 248/3, Kalbadevi Road, Bombay
Memon Chamber of Commerce, Mopla Mansion, 81, Chakla Street, Bombay No 3

Cawnpore.

Federation of Indian Chambers of Commerce, Kamla Tower, Cawnpore
United India Chamber of Commerce, Cawnpore
Upper India Chamber of Commerce, Cawnpore

Madras.

Andhra Chamber of Commerce, Beehive Buildings, 95, Broadway, Madras
Madras Chamber of Commerce, Madras.
Southern India Chamber of Commerce, Indian Chamber Buildings, 28-30, North Beach Road, Madras.

Karachi.

Karachi Chamber of Commerce, Wood Street, Karachi
Karachi Indian Merchants' Association, Bunder Road, Karachi

Burma.

Burma Chamber of Commerce, 74, Moghul Street, Rangoon.
Burma Indian Chamber of Commerce, 74, Mogul St, Rangoon.
Burmese Chamber of Commerce, 46A, Phayre St, Rangoon, Burma.
Chinese Chamber of Commerce, 17, Latter St, P O Box 236, Rangoon, Burma.

Mofussil.

Chamber of Commerce, Aden
Mysore Chamber of Commerce, Bangalore
Malabar Chamber of Commerce, Calicut
Chittagong Chamber of Commerce, Chittagong
Cocanada Chamber of Commerce Cocanada
Godaveri Chamber of Commerce, Godaveri, Cocanada
Cochin Chamber of Commerce, Cochin
Indian Chamber of Commerce, Jagadalaya, Coimbatore
Tipperah Chamber of Commerce, Comilla
Punjab Chamber of Commerce, Delhi
Gwalior Chamber of Commerce, Lashkar, Gwalior
Jamnagar Chamber of Commerce, Jamnagar
Jamnagar Sugar Merchants' Association, Jamnagar
Jamnagar Piecegoods Merchants' Association, Jamnagar
Indian Chamber of Commerce, (Desi Beopar Mandal), 7A, Nisbet Road, Lahore
Northern India Chamber of Commerce, Lahore
Madura-Ramnad, Chamber of Commerce, 10, North Market Vakil New Street, Madura
Chamber of Commerce, Tellicherry, Malabar
Narayanganj Chamber of Commerce, Narayanganj, Bengal
Negapatam Chamber of Commerce, Negapatam
Bihar and Orissa Chamber of Commerce, Patna
Chamber de Commerce de Pondicherry, Pondicherry.
Alleppey Chamber of Commerce, Travancore.
Indian Chamber of Commerce, South Raja Street, Tuticorin
Chamber of Commerce, Ujjain

MANUFACTURE TOBACCO, SNUFF, SURTI, ZARDA, etc., Read "Indian Tobacco & Its Preparations" Rs. 1-8, Industry Book Dept. Cal.

TRADE ASSOCIATIONS.

Calcutta.

All Bengal Jute Growers' Association, 13, Clive St, Calcutta
All India Soap Makers Association, 22, Canning Str Calcutta
Association of Engineers, 2, Royal Exchange Place, Calcutta
Automobile Association of Bengal, 87A, Park Street, Calcutta
Bengal Association of Master Printers & Allied Industries, 21, Bow Bazar Street Calcutta
Bengal Bonded Warehouse Association, 102, Clive St, Calcutta
Bengal Cloth Merchants' Association, 162, Bowbazar St, Cal
Bengal Cotton Millowners' Association, 3, Lyons Range, Calcutta
Bengal Glass Manufacturers Association, 2, Royal Exchange Place, Calcutta
Bengal Industries Association, 15, Clive Street, Calcutta
Bengal Jute Association, 2, Royal Exchange Place, Calcutta
Bengal Jute Dealers' Association, 135, Canning Street, Calcutta
Bengal Jute Growers' Association, 2, Royal Exchange Place, Calcutta
Bengal Mahajan Sabha, 4 Raja Brojendra Narain Ray's Street, Calcutta
Bengal Muslim Trades Association, 14, David Joseph Lane, Calcutta
Bengal Provincial Swadeshi Sangha, (Buy India League of Bengal), 45/1B, Beadon St, Calcutta
Blanket & Shawl Traders' Assocn, 203/1, Harrison Rd, Calcutta
Brokers' Exchange, 2, Clive St, Calcutta
Calcutta Baled Jute Shipper's Association, 2, Clive Street, Calcutta
Calcutta Tea Assen Ltd, 7, Old Post Office Str, Calcutta
Calcutta Booksellers' Association, 54/1, College Street, Calcutta
Calcutta Fire Insurance Association, 2, Clive St, Calcutta
Calcutta Hides and Skins Shippers' Association, 2, Clive St, Calcutta
Calcutta Hydraulic Press Association, 2, Clive Street, Calcutta
Calcutta Import Trade Associaciation, 2, Clive St, Calcutta
Calcutta Insurance Association Ltd, 103, Clive St, Calcutta
Calcutta Iron Merchants' Association, Nundy Mansion, 13, Durmahatta Street, Calcutta.
Calcutta Jute Dealers and Baled-Jute Association, 2, Clive Street, Calcutta
Calcutta Kirana Association, Calcutta
Calcutta Marine Insurance Association, 2 Clive St, Calcutta
Calcutta Rice Merchants Association, 15, Chetla Road, Calcutta
Calcutta Sugar Importers' Association, 2, Clive St, Calcutta
Calcutta Stock Exchange Association, Ltd, 7, Lyons Range, Calcutta
Calcutta Shellac Exchange Ltd 3 Mangoe Lane, Calcutta
Calcutta Trades Association, 34, Dalhousie Square, Calcutta
Calcutta Wheat and Steel Trade Association, 2, Clive St, Calcutta
Calcutta Wine Association, 1, Lindsay Street, Calcutta
College Street Pipe Merchants Association, 53, College Street, Calcutta
Concrete Association of India, 8, Clive Street, Calcutta
East India Jute Association 2, Royal Exchange Place, Calcutta
Eastern Bengal Jute Association Ltd, 5/1, Royal Exchange Place, Calcutta
Exchange and Bullion Brokers' Association, Calcutta
Gunnies Exchange, Ltd, Hessian & Gunnies Dealers' Association, 15, Clive Row, Calcutta.
Gunny Trades Association, Calcutta
Howrah Manufacturers' Association, 233, Behilios Road, Howrah, near Calcutta,

Organise your business with hints from "Theory & Practice of Commerce & Business Organisation." Rs 4. Industry Book Dept., Cal.

Indian Colliery Owners' Association, 135, Canning Street, Calcutta
Indian Cycle Traders' Association, 50/6, Dharamtala Street, Calcutta
Indian Engineering Association, 2, Clive Street, Calcutta
Indian Insurance Institute, 2, Royal Exchange Place, Calcutta
Indian Jute Mills Association, 2, Clive Street, Calcutta
Indian Lac Association for Research, 2, Clive St, Calcutta
Indian Metallurgical Association, 12, Mission Row, Calcutta
Indian Mining Association, 2, Clive Street, Calcutta
Indian Mining Federation, 20, Strand Road, Calcutta
Indian Paper Makers' Association, 2, Clive Street, Calcutta
Indian Produce Association, 3, Hare Street, Calcutta
Indian Provident Insurance Companies Association (Bengal), 2, Royal Exchange Place, Calcutta
Indian Steel Agents' Association, Calcutta
Indian Sugar Mills Association, 135, Canning Street, Calcutta
Indian Tea Association, 2, Clive Street, Calcutta
Indo-Japanese Commercial Association, 15, Clive St, Calcutta
Insurance Association of India, 309, Bowbazar Street, Calcutta
Institute of Engineers (India), 8, Esplanade East, Calcutta
Jute Balers' Association, 5, Royal Exchange Place, Calcutta
Jute Fabric Brokers' Association, 2, Clive Street, Calcutta
Marwari Association, 134B, Mechuabazar St, Calcutta
Marwari Trade Association, 160, Harrison Road, Calcutta
Motor Industries Association, 9, Ezra Mansion, Govt Place, Calcutta
Northern India Traders' Federation, 2, Clive Street, Calcutta.
Oil Mills Association, Raja Dinendra Street, Calcutta
Paddy Merchants' Association, 69/9, Chetla Road, Alipur, Calcutta
Royal Exchange, 2, Clive Street, Calcutta.
Salt Importers' Association of Bengal, Royal Exchange Bldgs, Calcutta
Sugar Candy Manufacturers' and Dealers' Association, 115, Upper Chitpore Road, Calcutta
Telikanta Brokers' Association, 4, Madan Mohan Chatterjee Lane, Calcutta
Traders' Union, 37, Cotton Street, Calcutta
Wine, Spirit & Beer Association of India, 2, Clive Street, Calcutta

Bombay.

Bhuleswar Silver Merchants' Association, Bombay
Bombay Accident Insurance Association, Allahabad Bank Buildings, Apollo Street, Bombay
Bombay Bullion Brokers Association Ltd, Exchange Building, Bombay
Bombay Bullion Exchange Ltd, Shroff Bazar, Bombay
Bombay Chemists & Druggists Association, Devkaran Mansion, Princess Street, Bombay
Bombay Coal Merchants' Association, 4, Green Street, Fort, Bombay
Bombay Coloured and Printed Piecegoods Merchants' Association, Bombay
Bombay Commission Agts Association, Old Small Causes Court Bldg, Princess St, Bombay 2
Bombay Cotton Brokers' Association, Bombay
Bombay Cotton Merchants' and Muccadums Association Ltd, Cotton Exchange, Sewri Road, Bombay
Bombay Cotton Association, Bombay
Bombay Diamond Merchants Association, Dadina Building, Dhanji Street, Bombay
Bombay Engineering Employers' Federation, Bombay
Bombay English Bleached and Fancy Grey Dhoti Merchants' Association, Bombay

Organise your business with hints from "Theory & Practice of Commerce & Business Organisation." Rs 4. Industry Book Dept., Cal.

Bombay Fire Insurance Association, Allahabad Bank Bldgs, Apollo St, Fort, Bombay
Bombay German Silver Merchants' Association, Bombay
Bombay Glass Bangles Merchants' Association, 158, Bazar Gate St. Bombay
Bombay Grain Dealers' Association, Bhat Bazar Mandvi, Bombay
Bombay Hemp Balers' Association, 24, Church Gate Street, Bombay
Bombay Hindu Mahajan Committee, 6, Benham Hall Girgaum, Bombay
Bombay Insurance Brokers' Assn 19, Bruce St Fort Bombay
Bombay Iron Merchants' Association, Carnac Bunder, Bombay
Bombay Kariana Merchants' Association 222 4, Vadgadi Mandvi, Bombay
Bombay Malabar Karyana Merchants' Association, Katha Bazar, Bombay
Bombay Millowners' Association Patel House Church Street Fort, Bombay
Bombay Oil Merchants' Association, c/o Mulji Jaitha & Co Katha Bazar, Bombay
Bombay Paper and Stationery Merchants' Association, Wakefield House, Sprott Road Ballard Estate, Fort, Bombay
Bombay Piecegoods Native Merchants' Association, Seth Mulji Jetha's Kapad Bazar Hall, Out Fort, Bombay
Bombay Presidency Trades Association, 217 219, Hornby Road, Fort, Bombay
Bombay Public Mill Association 196, Hornby Road, Bombay
Bombay Rice Merchants' Association, Carnac Bunder, Bombay
Bombay Shroff Association, Shroff Bazar, 233-34, Sheikh Memon Street, Bombay
Bombay Stock Exchange, Ltd. 139, Medows St, Fort, Bombay
Bombay Textile & Engineering Association, 343, Grant Road Bombay
Bombay Trade Association Ltd, 211, Hornby Road, Bombay
Bombay Type Foundry Owners' Association, B196, Garwadi, Girgaon, Bombay 4
Bombay Underwriters' Association, Allahabad Bank Buildings, Apollo Street, Bombay
Bombay Yarn, Cotton and Brass Merchants' Association, Tamba Kanta, Pydhonie, Bombay
Butter Merchants' Assoication, Byculla Bridge, Bombay
Chamber of Income Tax Consultants, 15, Jiji House, Rowlin Str Fort, Bombay
Concrete Association of India, Telephone Bldg, Home Street, Bombay
Cotton Importers Association of China, 226, Hornby Road, Bombay
Country-made Piece Goods Association, Bombay
Deccan Merchants' Association, 199 Girgaon Road, Bombay
East India Cotton Association, Ltd, Cotton Exchange Bldg, Sewri Rd, Bombay
Electric Contractors' Association, Akbar Building, Hornby Road, Bombay
Electric Merchants' Association, Bombay
Ghee Merchants' Association, Mudi Bazar, Bombay
Grain and Seed Brokers' Association 177, Kalbadevi Rd, Bombay
Grain Merchants' Association, 262, Masjid Bandar Road, Mandvi, Bombay
Gum Merchants' Association, 179, Khoja Mohalla, Bombay.
Hindustani Native Merchants' Association, 342, Kalbadevi Road, Bombay
Indian Industries Association, Readymoney Mansion, Churchgate State, Bombay
Indian Institute of Architects, 7-10, Elphinstone Circle, Fort, Bombay
Indian Insurance Association, Ewart House, Tamarind Lane, Bombay No 1.

"Sketches of Indian Industries" discusses industrial situations and industrial ideas. Parts I & II Re. 1 each. Industry Book Depot., Cal.

Indian Insurance Companies Association, Jehangir Wadia Bldg., Esplanade Rd., Fort, Bombay.
Indian Life Assurance Offices Association, Stock Exchange, New Bldg, Hamum Street, Fort, Bombay.
Indian Match Manufacturers' Association, 121, Nagdevi Str. Bombay.
Indian National Steamship Owners' Association, Sudama House, Wittet Road, Ballard Estate, Fort, Bombay.
Indian Roads and Transport Development Association Ltd., 41, Nicol Road, Ballard Estate, Bombay.
Indian Salt Association, Navasari Bldg., Hornby Road, Fort, Bombay.
Indian Society of Accountants and Auditors, Albert Bldg., Hornby Road, Fort, Bombay.
Indian Textile Association, Byculla, Bombay.
Japan Cotton Spinners' Association, Lloyds' Bank Bldg., 270-272, Hornby Road, Bombay.
Japan and Shanghai Silk Merchants' Association, Jackeria Musjid, Bombay.
Kharek Bazar Meva Merchants' Association, Bombay.
Memon Merchants' Association, 50-56, Chukla Street, Bombay.
Mill Gin Stores Merchants' Association, Bombay.
Millowners' Mutual Insurance Association, Bombay.
Moody Bazar Karyana Merchants' Association, Bombay.
Motor Manufacturers' and Importers' Association Ltd., Bank of Baroda Bldg., Apollo Street, Bombay.
Muccadam Association Wakefield House, Ballard Estate, Bombay.
Native Share and Stock Brokers' Association, Native Brokers' Exchange Hall, Dalal Street, Fort, Bombay.
Pearl Merchants' and Jewellers' Association, 25-30, Mumbadevi Road, Bombay.
Press Owners' Association, 1369 B, Gaiwadi, Girgaum, Bombay.
Seed Traders' Association, Gaya Bldg., Musjid Bandar St., Bombay.
Shree Mahajan Association, Patwa Chaul, Shaik Memon St., Bombay.
Silk Merchants' Association, Shri Krishna Niwas, Kalbadevi Road, Bombay.
Sugar Merchants' Association, Khand Bazar, Bombay.
Western India Automobile Association, 143, Esplanade Road, Fort, Bombay.

Karachi.

Buyers' and Shippers' Chamber, Karachi.
Karachi Bepari Mahamandal, P. O. Box 231, Karachi.
Karachi Cloth Merchants' Association, Karachi.
Karachi Cotton Association, Karachi.
Karachi Sat-Narayan Indian Piecegoods Association, Karachi.

Madras.

Madras Accident Insurance Agents' Association, 2-6, Second Line Beach, Madras.
Madras Fire Insurance Association, 2-6, Second Line Beach, Madras.
Madras Marine Insurance Association, 2-6, Second Line Beach, Madras.
Madras Millowners' Association, Madras.
Madras Piece-goods Merchants' Association, No. 57, Godown St., G. T., Madras.
Madras Trades Association, Kardyl Buildings, Mount Road, Madras.
Potters & Industrial Association, 22, Ranganatham Street, Triplicane, Madras.
Rice and Grain Merchants' Association, 4th Line Beach, Madras.
Southern India Skin & Hide Merchants' Association, 33, Errabalu Chetty St., G. T., Madras.

"Sketches of Indian Industries" discusses industrial situations and industrial ideals. Parts I & II Re. 1 each. Industry Book Dept., Cal.

Southern India Merchants' and Manufacturers' Association Ld, 27-28, 2nd Line Beach, Madras

Rangoon.

Burma Fire Insurance Association, 581, Merchant St. Rangoon, Burma
Burma Marine Insurance Agents' Association, P O Box No 324, Rangoon, Burma
Burma Motor Association, 15, Riverside Mansions 39th St Rangoon, Burma
Burma Motor Insurance Agents Association, P O Box No 324 Rangoon, Burma
Nattukottai Chettiyars Association, 74, Moghul Str, Rangoon
Rangoon Import Association, P O Box No 324, Rangoon, Burma
Rangoon Rice Brokers' Association, 627, Merchant Street Rangoon, Burma
Rangoon Trades Association, 25, Sofaer's Bldgs, Phayre Street, Rangoon, Burma

Ahmedabad.

Ahmedabad Millowners' Association, Din Bag, Mirzapur, Ahmedabad
Cotton Brokers Association, Maneckchowk, Ahmedabad
Gujarat Share and Stock Exchange Maneckchowk, Ahmedabad
Maskati Cloth Market Association, Maskati Market, Ahmedabad
Mill and Gin Stores Merchants' Association, Railwaypura Port, Ahmedabad
Mill Cloth Brokers' Association, Maneckchouk, Ahmedabad
Panchkuva Cloth Merchants' Association, Panchkuva, Ahmedabad
Share and Stock Brokers' Association, Maneckchouk, Ahmedabad
Shroff's Association, Maneckchouk, Ahmedabad
Yarn Merchants' Association, Maneckchowk, Ahmedabad.

Mofussil.

Agra Trades Association, Dhulia Ganj, Agra.
Andhra Desa Railway Passengers Association, Tummapudi, Bezwada
Bangalore Grain Merchants' Association, New Tharagupet, Bangalore City
Bangalore Traders' Association, 10-12, St Marks Rd, Bangalore
Baroda Millowners' Association, Baroda
Benares Trades Association, Benares
Bihar & Orissa Mica Association, Giridih
Cochin Native Merchants' Association, Cochin
Delhi Factory Owners' Federation, Delhi
Delhi Hindusthani Mercantile Association, Egerton Road, Delhi
Delhi Millowners' Association, Delhi
Dyers, Printers, Bleachers and Finishers Association, Cawnpore
Gwalior Trades Assen, Ujjain
Faridpur District Merchants Association, Faridpur
Hindustan Mercantile Association Egerton Road, Delhi
Hosiery Manufacturers Association, Ludhiana
Indian Colliery Owners Association Jharia, E I Ry
Indian Merchants' Association, Strand Road, Chittagong
Indian Sugar Producers' Association, Cawnpore
Jambusar Cloth Merchants' Association, Jambusar
Murshidabad Silk Association, Berhampur, Dt Murshidabad
Mysore Engineers' Association, Bangalore
Piece-goods Merchants' Association, Delhi
Punjab Trades Association, 53, Muzand Rd, Lahore, and Skipton Cottage, Simla
Secunderabad Trades Association, Secunderabad
Shellac Trades' Association, Mirzapur.
Sholapur Merchants' Chamber, Chatty gally, Sholapur

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept., Calcutta.

Shop and Maligai Merchants' Association, Salem
Southern India Textile Association, Dharma Bilas, Coimbatore
Swadesi Manufacturers' Association, Cawnpore
Tipperah Trades Association, Comilla
Travancore Millowners' Association, Travancore
Trade Association, Bhelsa, Gwalior
Trichinopoly District Merchants' Association, 42 General Market, Trichinopoly
Ujjain Agrawal Mahasabha, Ujjain

London

Indian Chamber of Commerce in Great Britain, 85 Grace Church Street, London E C 3

PLANTERS' ASSOCIATIONS.

Northern India.

Bihar Planters' Association, Darbhanga, Bihar
Darjeeling Planters' Association, Darjeeling
Dehra Dun Planters' Asosciation, Dehra Dun
Dooars Planters' Association, Dooars
Indian Planters' Association Sridharpur, Sylhet
Indian Tea Association, 2, Clive Street, Calcutta
Indian Tea Association, Surma Valley, Assam
Indian Tea Planters' Association, Jalpaiguri
Kangra Tea Association, Kangra

Southern India.

Anamalai Planters' Association, Anamalais, Coimbatore
Central Travancore Planters' Association, Travancore
Coorg Planters' Association, Coorg
Kanen Devan Planters' Association, Travancore
Mundakayam Planters' Association, Travancore
Nelliampathy Planters' Association, Nelliampathy, E I
Nilgiris Planters' Association, Nilgiris.
Nilgiris Wynaad Planters' Association, Nilgiris
North Mysore Planters' Association, Mysore
Shervaroy Planters' Association, Shervaroy
South Mysore Planters' Association, Mysore
South Travancore Planters' Association, Travancore
Travancore Combined Planters Association, Quilon, Travancore
United Planters' Association of Southern India, 'Glen View,' Coonoor Nilgiris
West Coast Planters' Association Malabar, Cochin
Wynaad Planters' Association Wynaad

WORKERS' ASSOCIATION

Ahmedabad Labour Union Mirzapur, Ahmedabad
All India (including Burma) Postal and R M S Association 12 Chukkoo Khansama Lane, Calcutta
Association of Journalists of South India Madras
Bombay Dock Workers' Union 78, Frere Road Opposite Prince's Dock, Bombay
Bombay Mill Workers Union Kasam Mitha Building Lalbag Bombay No 12
Bombay Textile Labour Union Servants of India Society's Home, Sandhurst Road, Girgaum Bombay No 4
Coimbatore Labour Union, Coimbatore
G I P Railwaymen's Union, Poibavdi, Parel, Bombay 12
Indian Journalists' Association, 22 R G Kar Road, Calcutta
Indian Seamen's Union near Sudama House, Ballard Estate, Fort Bombay
Journalists' Association of India, Fort, Bombay
Karachi Dock Workers' Union, Haroon Building, Keamari, Karachi
Madras Presidency Postmen's Union, Madras
Punjab Journalists' Association, Lahore

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept, Calcutta.

GOVERNMENT OFFICES.

GOVERNMENT OF INDIA.

Sir B N Mitra, High Commissioner for India, India House, Aldwych, London
Indian Trade Commissioner, 9, Neuer Jungfernsteig, Hamburg, Germany
Accountant General, Central Revenues, New Delhi
Accountant General, Posts and Telegraphs, Old Secretariat Buildings, Delhi
Archaeological Department, Simla and New Delhi
Army and Marine Department, New Delhi and Simla
Army Remount Department Remount Road, Calcutta
Auditor General Imperial Secretariat Bldgs, New Delhi
Botanical Survey of India, New Delhi
Bureau of Public Information, Delhi and Simla
Central Board of Revenue, Finance Dept, New Secretariat Bldgs Delhi
Chief Inspector of Explosives with the Government of India, 1, Council House St, Calcutta
Commerce Department, Delhi and Simla
Controller of Printing and Stationery, India, Delhi
Department of Commercial Intelligence and Statistics, India, 1, Council House St, Calcutta
Department of Education, Health and Lands, Delhi
Department of Industries and Labour, New Delhi and Simla.
Department of Mines, Dhanbad, Manbhum
Director General of Posts and Telegraphs, Simla and New Delhi
Director of Civil Aviation, Delhi
Finance Department, Delhi and Simla, Member-in-charge Hon'ble Sir James Grigg.
Geological Survey of India and Geological Museum, 27 Chowringhee Road, Calcutta
Home Department, Delhi and Simla
Indian Stores Department, New Delhi and Simla
Inspector General of Forests, Dehra Dun
Legislative Assembly Department, Simla and New Delhi
Metallurgical Inspector, Burma Mines Tatanagar, B N Ry
Meteorological Department, Poona
Military Accountant General, Delhi
Office of the Director of Intelligence Bureau, Simla and New Delhi
Patent Office, 1, Council House Street Calcutta
Public Service Commission, Metcalfe House, Delhi and Simla
Public Works Department, Delhi.
Railway Board, Delhi and Simla.
Railway Department, Delhi
Registrar of Joint-Stock Companies, 8, Esplanade West, Calcutta
Survey of India, 13, Wood St, Calcutta
Government Test House, 13, Judge's Court Rd, Alipur, 24 Pergs
Imperial Council of Agricultural Research, New Delhi
Imperial Institute of Agricultural Research, New Delhi
Imperial Institute of Veterinary Research, Muktesar, U P
Imperial Veterinary Serum Institute, Izatnagar.
Imperial Dairy Expert, Bangalore
Physiological Chemist, Bangalore
Imperial Cattle Breeding Farm, Karnal
Central Research Creamery, Anand

LEARN THE MODERN METHODS OF COTTON DYEING
"Cotton Dyeing & Printing." RE. 1-8. INDUSTRY BOOK DEPT.

Indian Central Cotton Committee, Vulcan House, Nicol Road, Ballard Estate, Bombay.
Master of the Mint, 47, Strand Rd, Calcutta.

GOVERNMENT OF BENGAL.

Administrator-General and Official Trustee, 1, Council House St, Calcutta
Agriculture Department, Ramna. Dacca.
Civil Veterinary Department, Writers Bldgs, Calcutta
Archaeological Survey, 6, Esplanade East, Calcutta
Bengal Secretariat, Block No 2, 1st Floor, Writers' Bldgs, Calcutta
Finance, Commerce and Marine Department, 2nd Block, 2nd Floor, Writers' Bldg, Calcutta
Revenue Department, Writers' Bldgs, Calcutta.
Agriculture and Industries Department, Writers' Bldgs., Calcutta.
Bengal Board of Censors, Police, Headquarters, Lall Bazar, Calcutta.
Bengal Smoke Nuisances Commission, 3, Charnock Place, Calcutta.
Bengal Surveys, 41-1, Judge's Court Rd, Alipur, Calcutta
Boiler Commission, 40-1A, Free School Street, Calcutta
Calcutta Improvement Trust, 5, Clive St, Calcutta
Chemical Examiner to the Govt., Medical College, Calcutta.
Commissioner of Excise and Salt, 4th Block, Writers Bldgs, Calcutta.
Co-operative Societies, Writers Bldgs, Calcutta.
Customs Department, Customs House, 1, Charnock Place, Calcutta
Department of Industries, 40-1A, Free School St, Calcutta
Emigration Department, 26, Chowringhee Rd., Calcutta.
Forest Department, Conservator of Forests, Northern Circle, Darjeeling.
Income Tax Department, Imperial Secretariat Bldgs, Govt. Place, West, Calcutta.
Labour Intelligence Office, Writers Bldgs, Calcutta.
Municipal Corporation of Calcutta, 5, Surendranath Banerjee Road, Calcutta
Port Commissioners, Strand Rd., Calcutta.
Posts and Telegraphs, Bengal and Assam Circle, 1, Council House St, Calcutta.
Public Works Department, Block No 3, 1st Floor, Writers Bldgs., Dalhousie Sq, North, Calcutta
Registration Department, Writers Bldgs, Calcutta
University Students' Information Bureau, Senate House, College St, Calcutta.
Zoological Survey of India, Indian Museum, 27, Chowringhee Rd, Calcutta.

GOVERNMENT OF BOMBAY.

Accountant General, Mayo Rd, Secretariat Bldgs, Bombay.
Accountancy Diploma Board, Hornby Road, Bombay.
Archaeological Survey, Western Circle, Hd-qrs, Poona.
Bombay Board of Film Censors, Secretariat Bldgs, 3rd. Floor, Fort, Bombay.
Bombay City Survey and Land Records, Old Customs House, Fort, Bombay.
Civil Veterinary Department, Poona.
Companies Registration Office, Old Custom House, Fort, Bombay
Co-operative Societies, Poona.
Customs, New Custom House, Ballard Road, Bombay
Embarkation Office, Hd-qrs. of the Embarkation Comdt, Amar Chand Bldg, Ballard Rd., Post Box No. 331, Bombay.
Excise Department, Bombay.
Improvement Trust, Esplanade Rd, Fort, Bombay.
Income-tax Department, 5, Wallace St, Fort, Bombay.
Indian Medical Service, 1, Lothian Rd, Poona.

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Inspectors of Factories, Old Custom House, Fort, Bombay
Inspectors of Steam Boilers and Smoke Nuisance, Old Custom House, Fort, Bombay
Port Trust, Bombay
Public Instruction, Poona
Public Works, Churchgate St, Bombay
Registration Department, Poona
Royal Indian Marine, Hd-qrs, Bombay
Salt Department, Bombay

GOVERNMENT OF MADRAS.

Accountant General and Deputy Controller of Currency, Charles and James St, Fort, Madras
Agricultural Department, Madras
Archaeological Survey of India, Southern Circle, Kotagiri, Nilgiris
Board of Revenue, Chepauk, Madras
Civil Veterinary Department, Madras
Co-operative Societies, Madras
Customs Office, North Beach Rd, Madras
Department of Industries, Madras
Department of Labour, including Factories, Criminal Tribes Settlements, Depressed Classes and Emigration, Madras
Emigration Department, Madras
Fisheries Department, Madras
Forests Department, Chepauk, Madras
Income-Tax Department, Madras
Marine Department, First Line Beach, Madras
Municipal Corporation of Madras, Ripon Bldgs, Madras
Port Trust Board, Madras
Public Instruction, Madras
Public Works Department, Chepauk, Madras
Registration Department, North Beach Road, Madras

GOVERNMENT OF U. P.

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Agricultural Engineer to U P Govt, Lucknow
Board of Agriculture, Lucknow
Chemical Examiner to Government of U P, Agra
Chief Inspector of Factories and Boilers, Cawnpore
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Director of Industries, Cawnpore
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Public Health Department, Lucknow
Registrar of Co-operative Societies, Lucknow
Civil Veterinary Dept, Lucknow
Commissioner of Income Tax, Lucknow

GOVERNMENT OF PUNJAB

Agricultural Department, Lahore
Archaeological Survey, Lahore
Boiler Inspection Department, Punjab, N W F P and Ajmer Marwara, Lahore
Chemical Examiner to Government, Punjab and N W F P, Lahore
Registrar of Co operative Societies, Lahore
Department of Industries, Lahore
Department of Fisheries, Lahore
Department of Public Health, Lahore
Forest Department, Lahore
Income-tax Department, Punjab, N W F and Delhi Provinces Lahore
Inspector of Factories, Punjab, N W F P, Delhi and Ajmer Marwara, Lahore
Director of Public Instruction, Lahore
Public Works Department, Lahore
Railway Department, Lahore.
Civil Veterinary Department, Lahore
Reclamation Department, Lahore

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Co-operative Department, Patna
Department of Industries, Patna
Electrical Engineer and Electrical Inspector, Patna
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Forest Department, Ranchi
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Public Health Department, Patna
Director of Public Instruction, Patna
Public Works Department, Patna
Settlement Officer, Orissa Division, Cuttack
Settlement Officer, Bhagalpur Division, Dumka and Bhagalpur. Chota Nagpur Divn, Ranchi

GOVERNMENT OF ASSAM.

Agriculture Department, Shillong
Co-operative Societies, Shillong.
Director of Industries, Shillong
Director of Land Records, Shillong
Inspector of Factories Shillong.
Forest Department, Shillong
Public Works Department, Shillong.
Provincial Survey Department, Shillong
Civil Veterinary Department. Gauhati

GOVERNMENT OF CENTRAL PROVINCES.

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Agriculture Department, Nagpur
Co-operative Societies, Nagpur
Forest Department, Nagpur
Industries Department, Nagpur
Public Works Department, Nagpur
Settlement Department, Nagpur
Civil Veterinary Department, Nagpur
Gun Carriage Factory, Jubbulpore

GOVT. OF NORTH-WEST FRONTIER PROVINCE.

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Frontier Corps Department, Peshawar
Frontier Corps Department, Peshawar
Public Instruction, Peshawar
Public Works Department, Peshawar
Revenue Commissioner, Peshawar

BURMA.

Accountant General, Rangoon
Agricultural Department, Rangoon
Archaeological Survey, Mandalay.
Burma Secretariat, Dalhousie St, Rangoon
Civil Veterinary Department, 2, Fraser Road, Rangoon
Co operative Societies Department, Hd qrs Rangoon, Mandalay and Akyab
Corporation of Rangoon, Dalhousie Street, Rangoon
Customs Department, Rangoon
Forest Department, Rangoon
Inspectors of Factories, P O Box 651, Rangoon
Land Records and Settlements, Rangoon
Labour Statistic Bureau, Burma and Protector of Immigrants and Emigrants, Rangoon
Port Commissioners, Rangoon
Public Instruction Dept, Rangoon
Public Works Department, Dalhousie Street, Rangoon
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INDIAN TRADE TERMS.

BUSINESS ABBREVIATIONS.

A

@	At
A|A.	Articles of Association
A. a. r.	Against all risks
Ac., acct.	Account
Acc.	Acceptance
A|C.	Account Current
A|d.	After date
A|D.	Acknowledgment due
Ads, advt.	Advertisement
Ad. val.	Ad valorem (according to value)
agt.	Against
Agt.	Agent, Agreement
Amt.	Amount
An. or As.	Anna or annas
A|o.	Account of
A|or.	And/or
A|R.	All risks
Arr.	Arrival
a|s.	After sight
A|S.	Account sales
Assigt.	Assignment
Asst.	Assistant
Av.	Average
A|I.	First class vessels
Avoir.	Avoirdupois

B

B.	Bale
Bal.	Balance
B.B.	Branch Bill
B|C.	Bills for Collection
B.C.	Bengal Chamber or Bombay Chamber
b|d.	Brought down
B|D.	Bill Discounted
B.D.	Bank Draft
B|E.	Bill of Exchange
B.L.	Bill lodged
B|L.	Bill of Lading
Bls.	Bales
Bs|L.	Bills of Lading
B.N.	Bank Note
B.O.	Branch Office, Buyer's Option
B|P.	Bill Payable
B.P.B.	Bank Post Bill
B.P.O.	British Postal Order
B|R.	Bills Receivable
B|S.	Bills of Sale
bt.	bought

C

c.	Cent.
C.A.	Chartered Accountant Credit Account
C. a|c., C|A	Current Account
C|A.	Capital Account
C|B.	Cash Book
c.c.	Cubic centimetre
C.C.	Carrying capacity of wagons.
C.C.	Cash Credit
C.D.	Cum (with) Dividend
c|d.	Carried down
C. & D.	Collected and delivered.
C.f.	Cash and freight Carried forward
C. & F.	Cost and Freight
C.H.	Clearing House, Custom House
C.i.f.	Cost, insurance and freight
C.f.i.	Cost, freight and insurance
Cf.	(Lat.) confer, compare
Cg.	Centigramme
Chq.	Cheque
Ck.	Cheque
cm.	Centimetre
Co.	Company
C|o.	Care of
C.O.D.	Cash on Delivery
Com.	Commission
C.O.	Cash Order
C.P.	Charter Party
Cp.	Compare
C.N.	Credit Note
C.R.	Company's risk
Cr.	Credit, Creditor
Ctge.	Cartage
Cum. div. Cum. D.	With dividend
Cur., Curt.	Current
C. D. O.	Cash with Order
cwt.	Hundredweight

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER, "HOME INDUSTRIES" EXPLAINS. Re. 1-8.

D

d.	a penny
D.	Deeds
D|A.	Deposit Account
D|A.	Days after Acceptance
D|A.	Deed of Arrangement
D|A.	Documents against acceptance
D|B.	Day Book, Deposit Pass Book
D|d.	Days after date
Deb.	Debenture
Def.	Deferred
deld.	Delivered
Dept.	Department
D|F.	Dead freight
Dft.	Draft
Dis., Disct.	Discount
Div.	Dividend
D|N.	Debit Note
D|O.	Delivery Order
Do.	Ditto (the same)
Dols.	Dollars
Doz.	Dozen
D|P.	Document against Payment
Dy.	Delivery
D|R.	Deposit Receipt
D|S.	Days after Sight
Dr.	Debtor, drachm
D|W.	Dock Warrant, Dead weight
d.w.	Dead weight

E

E.	East
E.E.	Errors excepted
e.g.,	For example (exempli gratia)
E|I.	Endorsement irregular
E. & O. E.	Errors and omissions excepted
Encl. (s)	Enclosure (s)
Entd.	Entered
etc.	And so on
Ex. cp., or x|cp.	Ex coupon
Ex D. or x|d.	Ex dividend
ex. div.	Exclusive of dividend
Ex. Int.	Ex Interest

F

F.	Franc
F.A.A.	Free of all averages
F.a.q.	Fair average quality
F.A.S.	Free alongside ship
F.D.	Free docks
F.g.	Fully good
F.G.A.	Fair general average
Fi. Fa.	Fieri facias (g.v.).
Fo., Fol.	Folio
F.O.B.	Free on board
f.o.c.	Free of charge
F.O.R.	Free on rail
f.o.s.	Free on steamer
f.o.t.	Free on truck
F. P.	Fire policy
F. P.	Fully paid
F. P. A.	Free of particular average
ft.	Foot or feet
Frt.	Freight
fwd.	Forward

G

G.	Gold; guarantee
G.A.	General Average (insce.).
Gall.	Gallon
Gaz.	Gazette
G. b. o.	Goods in bad order
Gent.	Gentlemen
G. gr.	Great gross (144 dozs.).
G. m. b.	Good merchantable brand
G. m. q.	Good merchantable quality
G. o. b.	Good ordinary brand
Goods.	Goods Train
Govt.	Government
G. P. O.	General Post Office
Gr.	Gross, grain
Gr. wt.	Gross weight
Gs.	Guineas

H

hhd.	hogshead
H.M.C.	His Majesty's Customs
H.M.S.	His Majesty's Service or Ship
H.O.	Head Office
H. P.	Horse Power
H. P. N.	Horse Power nominal

I

I. B.	Invoice Book
I|I.	Indorsement irregular
Ib., Ibid.	In the same place (Latin ibidem)
I. D. H.	Indicated Horse Power

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER, "HOME INDUSTRIES" EXPLAINS. Rs. 1-8.

Id.	The same (Latin idem)
in.	Inch or inches
Inst.	Instant of the present month
Insce.	Insurance
Int.	Interest
Inv.	Invoice, inventory
I. O. U.	I owe you
Irr.	Irredeemable
J	
J|A.	Joint account
J|r., Junr.	Junior
L	
£	Pound (sterling)
L|A.	Letter of Authority
℔.	Pound (weight)
L. B.	Letter Book
L|C.	Letter of Credit
£E.	Pounds Egyptian
L. O.	London Office
L|P.	Life Policy
L. S.	Place for the Seal
£ s. d.	Pounds, shillings, pence
£T.	Pounds Turkish
Led.	Ledger
Ltd., Ld.	Limited
M	
M|A.	Memorandum of Association
max.	Maximum
M|D.	Months after date
Mdse.	Merchandise
Memo.	Memorandum
Mfg.	Manufacturing
Min	Minute
m|m.	Millimetres
M. O.	Money Order
Mo.	Month
M. R.	Mate's receipt
M|S.	Months after sight
Mss.	Manuscripts
Mt.	Mortgage.
N	
N.	North
N.A.	New Account
N|A.	No Advice, No Account
N|A.	Non-acceptance
N. B.	Take Notice (Latin nota bene)
N|E.	No Effects
N|F.	No Funds
N|N.	Not to be noted
N|O.	No Order
No.	Number
nom.	Nominal
N. P.	Notary Public
N. P. F.	Not Provided for
N. S.	New Style
N|S.	Not Sufficient
N. S. F.	Not Sufficient Funds
O	
°	Degree
O.A.	Old Account
O. C.	All Correct
O|D.	Overdraft
O|d.	On demand
O.H.M.S.	On His Majesty's Service
O. K.	All correct
O. N.	Own Notes
O. P.	Open Policy
O. R.	Owner's Risk, Official Receiver
Ord.	Ordinary
O|S.	On sale
O|sg.	Outstanding
oz.	Ounce
P	
P|A.	Power of Attorney
P.A., p.a.	Yearly (Latin per annum)
Payt.	Payment
P. B.	Pass Book
P|C.	Price Current
P. C.	By the Hundred (per centum)
p.c.	Per cent, Post card
pcs.	Pieces
Pd.	Paid
Per ann.	Yearly (Latin per annum)
Per ct.	By the Hundred (Latin per centum)
per pro.	Per procuration
Pk.	Pack
Pkg.	Package
P. & L.	Profit and Loss
P|m.	Per mensem
Pm.	Premium
P. M.	Post Master
p.m.	post meridien—afternoon
P|N.	Promissory Note
P. O.	Postal Order, Post Office
P. O. B.	Post Office Box
P.O.D.	Pay on delivery
P.O.O.	Post Office Order
P.P.	Per procuration, Pages, Parcel Post

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER. "Independent Careers for the Young" explains. Rs. 1-8.

Pref	Preferred
Pro.	For
Pro. tem.	For the time being (Latin pro tempore)
Prox.	Of the next month (Latin proximus)
P S.	Postscript (Latin post scriptum)
P T. O.	Please turn over
Pt.	Pint
Q	
Qr	Quarter, quire
Qt.	Quart
q v.	Which see (Latin quod vide)
Qv.	Query
R	
R.	Rupee
R|A	Refer to acceptor
R|D.	Refer to Drawer
R. A. P.	Rupees, annas & pies
Re.	With reference to, in regard to
Recd	Received
Recpt.	Receipt
Ref.	Reference
Regd.	Registered
Retd.	Returned
Repd.	Replied
Rev. A/c.	Revenue Account
Rm.	Ream
R. M. S.	Royal Mail Steamer
R. P.	Reply paid
R R.	Railway Receipt, Railway's Risk
Rs.	Rupees
R S.V.P.	Reply if you please
Ry.	Railway
S	
S.	Silver, South
$	Dollars
S. B.	Short Bill, Sales Book
S|D.	Sea damaged
S. C.	Sharp cash
S. C.	Safe custody
Secy.	Secretary
Shipt.	Shipment
Shr.	Share
s.l.	Small lot
S.gd.	Signed
S|N.	Shipment Note
S|O.	Sub-Office
S. O.	Seller's option
S. P.	Supra protest
Sq.	Square
S.S., Ss.	Steamship
S.V.	Surrender value
St., Stet.	Let it stand (Latin stet)
Ster. Stg.	Sterling
Stk.	Stock
Str.	Steamer
T	
T.	Tons
T B.	Trial Balance
T.C.	Till Countermanded (used in advertising)
T. E.	Trade expenses
Tfr.	Transfer
T. M. O.	Telegraphic Money Order
T. O.	Telegraph Office, Turn over
T. T.	Telegraphic Transfer
Trsr.	Treasurer
U	
U|a.	Underwriting account
U. V.	Uncollected vouchers
U|W.	Underwriter
Ult.	Of the last month (Latin ultimo)
V	
V.	Against (Latin versus)
Via.	By the way of
Viz.	Namely (Latin videlicet)
Vol.	Volume
V.P.P.	Value Payable Post
Vs.	Versus
W	
W.	West
W.B.	Way Bill, Warehouse Book
W.b.	Water ballast (shipping)
Wk.	Week
Wt.	Weight
W.W.	Warehouse warrant
X	
xc.	Ex coupon
x. d.	Ex dividend
x. in.	Ex interest
Y	
Yd.	Yard
Yr.	Year
Yrs.	Yours
%	By the Hundred (per centum)
‰	By the Thousand (per mille)

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER. "Independent Careers for the Young" explains. Re. 1-8.

GLOSSARY OF SUGAR TRADE TERMS.

AMORPHOUS SUGAR.—This is sugar which has been reduced to soft and minute grains to be perfectly non-gritty to the palate This is made from a super-saturated solution of sugar at a high temperature.

ARAWALAS:—A class of workmen in gur factories Their work consists in filling up a number of bags with the rab, in putting such bags inside an area one over the other, in tying them with the help of sticks and strings, in separating the molasses and in removing the contents of the bags after the molasses is expelled to the khanchi for further treatment

BAGASSE.—It is sometimes known as megasse It is the residue of fibrous matter which remains after the cane is crushed

BEL.—It is a contrivance for boiling the cane juice into rab at economical rates It is however incapable of producing massecuites of uniform richness and strength

BEET SUGAR—Sugar manufactured from beet as contrasted with cane sugar manufactured from sugar cane juice The manufacture is conducted in Germany

BHISHTI OR JUICE CARRIER.—A workman required to carry the juice from the mills to the factory, where he pours it into a big boiling pan

BROWN SUGAR.—Sugar in the raw condition before being refined and bleached Java Sugar of 16 to 23 Dutch Standard belongs to this category

CARBONATATION METHOD.—Under this method a disproportionately considerable quantity of lime is mixed with the juice the excess afterwards being removed by the carbon dioxide The importance of the carbonatation process lies in the fact that it gives a brighter, better purified and easily filtered juice The juice as it comes from the mill is heavily mixed with lime in large tanks which are provided with the stirring apparatus It is then heated in juice heaters wherefrom it is transferred to the carbonatation tanks which are either open or covered with an iron plate Carbon dioxide gas is then pumped through the liquor whereby the insoluble carbonate of calcium is formed, which carries down most of the impurities in the form of particles When the reaction of the carbonic acid is complete, that is, the juice has been neutralized, the supply of it is stopped The hot juice is then filtered through the filter presses where the impurities are retained allowing the clear juice to pass This process is repeated until the clear juice is obtained

CENTRIFUGAL PROCESS.—It is a system of sugar manufacture involving the use of centrifugal machines which separate solids from the liquids By this process the massecuite is separated from the molasses In many cases a pug mill is also attached to the centrifugal machine Its chief work consists of reducing the solidified rab or massecuite to a homogeneous mass

CHAK.—It is a round unbaked earthen receptacle about 3 feet in diameter with a rim of about 6 inches high Cane juice after boiling to proper consistency is poured on it and stirred with an iron scrapper

CHAMARIS.—They are the female workers of the chamar caste and are employed for scrapping the broken pieces of kalsies, which they do with the help of an iron or tin spoon Sometimes, this scrapping work is also done by other male workers when they are at leisure

CLARIFICATION OF JUICE—The raw cane-juice that comes out from the mills contains certain impurities such as cush-cush, rind of the cane, fibre particles, gum, mud, clay and other mineral matters and,

Make Depilatories? "PROSPECTIVE INDUSTRIES" Explains the Process. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

therefore, it becomes necessary to remove or liberate such impurities and for this purpose the system of clarification is followed The chief agents used in clarification are heat and lime

The important methods of clarification are.—

(a) Defecation,
(b) Sulphitation, and
(c) Carbonatation

CRUSHED SUGAR.—This is white sugar which has been crushed to fine powder in disintegrators.

CRYSTALLISED SUGAR.—It is made by concentrating ordinary sugar syrup by ebullition when crystals of sugar are deposited

DAROGHA OR WATCHMAN.—A workman to supervise the extraction of juice and to see that the cane is properly used He stands near the mill when the juice is carried by the bhishti to the bel in order to see that no juice is left inside the nand fixed underground He has to keep awake at night to look after the factory and keep a proper watch As his work is a difficult and responsible one, so the khandsari sometimes engages two men instead of one

DEFECATION METHOD.—Under this method, a small quantity of lime is used which is just sufficient to neutralize the free acids of the raw juice

DOBARRA.—Java sugar which has been refined twice is known as dobarra The crystals are distinctly bigger than ekbarra sugar

DRIVERS, FIREMEN AND BHISHTIS—These persons are employed in those factories which are worked by steam power The driver is in charge of the whole machinery while the fireman has to look after the boiler The bhishti fills water in a tank and supplies it for generating the steam power The factories worked by oil power engage a trained driver

EKBARRA.—Java sugar which has been refined only once is known as ekbarra

GRANULATED SUGAR.—It is sugar which has been granulated by passage through granulators It is the sugar of commerce It is available in anhydrous, bright, monoclinic crystals and has a specific gravity of 1 581 at 15°C So far as chemical properties are concerned it is sucrose pure and simple with a small percentage of impurities of metallic bases adhering to the sugar crystals

GUR.—It is a compost of sugar crystals and molasses It is cane juice in its natural state concentrated to its solidifying point without undergoing any material process of purification save the addition of a small amount of alkali or other clarifying ingredient, and the removal of the scum It is very much in demand and is preferred to sugar by a large section of the people Gur has an attractive flavour and delicious taste

HALWAII OR BOILER.—He is also known as karigar His work consists in making the furnace and fixing of boiling pans over it In constructing the furnace he is also assisted by nikhara, jhukias and sometimes a mason He is mainly responsible for the boiling operations The halwai is a professional worker who has learnt the art of boiling by experience and it is on him that the profit or loss of the khandsari largely depends The khandsari knows nothing or knows very little about the principle of boiling and is, therefore, entirely left at the boiler's mercy. Sometimes, these boilers pretend to be skilful workers, although in fact, they possess very superficial knowledge

INVERT SUGAR.—It has got properties directly opposite to granulated sugar It is available in the market in the shape of a plastic mass It does not occur in crystal form and its presence in ordinary

Make Depilatories? "PROSPECTIVE INDUSTRIES" Explains the Process. INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

sugar prevents crystallisation or graining. It is intensely hygroscopic and remains in the plastic condition. It is the mixture of glucose and fructose resulting from the hydrolysis of sucrose.

JAVA SUGAR.—This is cane sugar prepared in Java. This was very popular in India only a few years ago but now the demand is restricted due to the increased manufacture of sugar in India. It is classified under three broad grades:—(1) Below 16 Dutch Standard; (2) Above 16 Dutch Standard but below 25 Dutch Standard; (3) Above 25 Dutch Standard.

JHUKIAS OR FEEDERS.—They are generally engaged in batches of six and one out of them is called a Jamadar. Their work mainly consists in feeding the furnace with the dried bagasse and in doing other miscellaneous work, such as, the cleaning of the boiling pans, removing of the ashes from the furnace and drying of the wet bagasse by spreading it in the open fields.

KANCHI PROCESS.—It is the simple and primitive process of sugar making without the help of centrifugal machines. The system of boiling is wasteful and is therefore being replaced by improved processes. In a modified form it is still in use in North India.

KHAND.—It is white sugar made by boiling rab. It is used by the confectioner and forms the basic material for making the higher grades of refined sugar known as Bura, Qand and Misri.

KHANSAL.—These are rab refining factories and are also known as Khandsari sugar factories.

KHANDSARI.—A person in whose hands the business of making rab and its subsequent refining into sugar. He purchases juice from cultivators, the sale contracts being made in advance in the months of July, August and September.

KHANDSARI.—Sugar made by the indigenous method. It is the most common form of raw sugar.

LOAF SUGAR.—This is solid white or refined bleached sugar which has been run into long moulds resembling loaves and purified from the molasses. It is so called because it is popularly taken with loaves. It is otherwise known as lump sugar or crystal sugar.

MAPLE SUGAR.—It is manufactured from the juice of the maple tree in Canada and North America. It is highly valued for its flavour.

Massecuite—Same.

MOLASSES.—Molasses is that liquid substance or syrup which remains after the massecuite has been cured. It is often boiled for making lower grades of sugar, and the molasses finally left contains very little sucrose. It is the most important by product of the sugar industry from the point of view of the factories as also of indigenous small-scale manufacturers. It may however be pointed out that the molasses obtained in Khandsari sugar factories is richer in sucrose than factory molasses and can therefore be made into second quality eating gur.

NAND.—This is a large round earthen vessel to receive juice expressed from cane and collected in small earthen vessel. It is kept at a little distance from the milling pit. A nand can contain about 2 maunds of juice. When the vessel gets its full charge it is transferred to the boiling pan.

NIKHARA OR CLARIFIER.—He is appointed by the halwaii under whom he works. The khandsari has usually no voice in his appointment, for the nikhara must be a man of the choice of the halwaii in whose company he works. His work mainly consists in clarifying the hot juice and airing the finally boiled syrup.

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

OPERATOR—He is the trained person and is employed by those factories which are worked by electric power He possesses some technical knowledge of electricity also

PACKING.—Sugar is packed in strong, fresh A Twill bags of 2⅞ lbs containing about 2 cwt

PALM SUGAR.—Gur made from the juice of date-palm

PATIAS.—They are employed for crushing and drying the moist sugar in the sun over the patas which are thick gunny carpets They dry the sugar with their naked feet supporting themselves on sticks held in their hands The time taken in drying the sugar is usually from four to five hours depending upon the weather conditions

PUGMILLMEN—They are the ordinary unskilled workers who have to prepare the rab for the machine and fill up the pugmill with it Sometimes, they are also required to operate the pugmill by hand After the rab is properly centrifugalled, the moist sugar is then removed by the pugmill-men to the sugar store On one pugmill two to three persons are usually employed

RAB.—It is a semi-liquid product obtained by boiling cane juice It is different from gur only in respect of its concentration than for the preparation of gur being of a thinner consistency It is obtained by boiling the juice to a slightly lower degree of concentration than gur It is mainly used for the manufacture of crude sugar known as khand It is manufactured generally within easy reach of the cane supplies

REFINED SUGAR—When singly refined it is tantamount to white sugar Refined sugar may also be of the double refined type In this case the syrup is white

SUGAR-MEN.—They are the persons who are in charge of the centrifugal machines and are responsible for the proper curing of the rab They are not specially trained or qualified pesons, but have learnt their work by experience

SULPHITATION METHOD—Under this method a large quantity of lime, of course, depending upon the quality of juice is used to neutralize the acidity of the juice The excess of lime is afterwards removed by means of phosphoric or sulphurous acid

SUCROSE—The chemical name of sugar whether derived from the sugar cane, beet, sugar, palm, date or maple

SUGAR CANDY.—Sugar occurring in large crystals or lumps Commonly known as misri

T M. O.—A well-known brand of Java sugar of white granulated quality

TURIAS—They are the persons whose work consists in breaking the kalsies one by one with the help of a wooden roller and emptying its contents into a lalori by means of a khurpi This operation usually continues till the lalori is filled up and the time taken in filling it up depends upon the size of the lalori, the number of persons engaged in this operation and the quality of rab whether it is soft or hard

VANILLINE SUGAR.—It is sugar impregnated with the flavour of Vanilla

WHITE SUGAR.—It is granulated sugar which has been refined and brownish tinge has been eliminated The syrup obtained from white sugar gets cloudy Java sugar, T M O or similar marks, No 25 upwards Dutch Standard is white sugar

USE—Large quantities of molasses are consumed in India in tobacco-curing industry The business of tobacco-curing is carried on only in India and not in any other country of the world Distilling is a subsidiary industry to sugar manufacture Manufacture of rum occupies a very important position in other sugar producing countries,

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

Molasses is the cheapest raw material for the manufacture of alcohol for industrial purposes, and is a suitable ingredient of fuels for internal combustion engines Spirit can also be manufactured from molasses and a good deal of denatured spirit is used in the manufacture of lac industry and also in varnish, paint and furniture polishing industries In our country, spirit from molasses is manufactured in small quantities The molasses contains a good deal of organic substance In Australia, most of the northern mills burn molasses as fuel in the furnaces Molasses is also used as a fertilizer in some countries, for it increases the nitrogen content of the soil and facilitates the breaking up of the rocky sub-soil In America, carbon dioxide is produced out of molasses It is chiefly used for carbonating beverages in refrigerating plants and for conserving foodstuffs It is converted into solid carbon dioxide, and when compressed is known as "Dry Ice"

Bagasse is another important by product, and is chiefly used as fuel in central cane factories for generating steam, and in jab or gur making indigenous factories for boiling the juice Usually all the power required in factories is obtained out of it and when insufficient it is supplemented by firewood or coal

GLOSSARY OF TEA TRADE TERMS.

AUCTIONS—See under TRADE

BLACK & GREEN TEA—Tea can mainly be classified under three heads, namely, Black Tea, Green Tea and Brick Tea Indian Tea mainly falls into the black variety, the Green variety being very insignificant The difference between the two varieties lies in the degree of fermentation allowed to the leaves during manufacture If the leaves after firing are allowed to undergo full fermentation, it is black tea and if the fermentation is left incomplete it is green tea The difference is also due to the difference of climate, soil, locality, age of the crop when taken The green variety is mainly produced in the Kangra District in the Punjab in the Nilgiris and Chota Nagpur

BRICK TEA—The product known as brick tea may be briefly described as very cheap and coarse tea with small twigs even compressed with some binding material to make into tablet or block like forms These are made in Darjeeling and U P though to a small extent, for the Bhutan and Tibetan markets The chief seat of the trade is, however, in China, whence Russia formerly imported in very large quantities The trade in brick tea in India at present is quite restricted

BROKEN TEA—Tea which has been subjected to the breaking operation before it can pass through the sieve The different types are Broken Orange Pekoe, Pekoe No 2, etc

CONGOUS.—Tea derived from the larger leaves is known as Congous

DISTRICT CLASSIFICATION.—Another method of classification now current is according to the Districts they are hailing from Those from Brahmaputra and Surma Valleys are respectively known as Assam, and Cachar and Sylhet those from Jalpaiguri as Dooars those from Malabar as Nilgiris and Wynaad Products of other district are denoted by the names of the districts themselves

DUST.—The leaf during handling falls into minute particles called dust This is the lowest grade of tea See under Sifting

FLUSH—The plants become well established and ready for picking when three years old, at which time they are sending out abundance of young leaf-shoots These are known as FLUSH

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FANNINGS.—See under GRADING and SIFTING.

GRADING.—After firing the leaf is graded, the principal grades of commercial tea being Flowery or Broken Orange Pekoe, Broken Pekoe, Pekoe, Pekoe Souchong, Fannings and Dust. These names are derived from China. When only the bud and the two young leaves are taken, Flowery Orange Pekoe is the bud, Orange Pekoe, the second leaf, Pekoe Souchong is from a third leaf when a bush is medium plucked and coarse plucking yields inferior teas known as Souchongs and Congous. But the commercial names have no longer any relationship to particular leaves. The broken leaf of each grade yields a stronger tea than the grade itself and consequently commands higher prices.

GREEN TEA.—See under Black and Green Tea The principal leaf grades of geen tea are Young Hyson, corresponding to Orange Pekoe, Hyson No. 1 to Pekoe, Hyson No. 2 to Pekoe Souchong, Gunpowder, Twankay, Fanning and Dust.

HABITAT.—The home of Indian tea is the Province of Assam. Eighty three per cent of the total area under tea in India lies in the Brahmaputra and Surma Valleys in Assam and in the two contiguous districts of Darjeeling and Jalpaiguri of Northern Bengal. In Northern India tea is reared only on a small scale. In U.P. this is planted in the districts of Dehra Dun, Almora, Kumaon, Garhwal in Orissa, in Chota Nagpur; in the Punjab in the Kangra Valley, the States of Mandi, Sirmur and the Simla Hills. The cultivation in Southern India is mostly restricted to the elevated region over the Malabar coast, in the States of Travancore, Nilgiris and Coimbatore.

HYSON.—See under GRADING.

LETPET.—Letpet is another form of tea in pickled condition much used as a condiment in Burma instead of being drunk as decoction. This is made of tea ground in the Shan States

ORANGE PEKOE.—See under GRADING and PEKOE.

PEKOE.—Teas going by the name of pekoes are made from fine pluckings (q.v.). Flowery pekoe is derived from the youngest leaf only; orange pekoe is derived from the next youngest leaf and simply pekoe from the third leaf. Also see under Broken Tea and unbroken Tea.

PEKOE-SUCHONG.—This is intermediate in quality between pekoe and souchong.

PLUCKING.—When the flush appears, plucking or picking of the leaves is carried out at regular intervals. The flush is generally ready for picking every ten or twelve days. Plucking includes the third and fourth leaf from the bud, and upon the size of the leaf depends the quality of tea manufacture. Plucking is designated as fine, medium and coarse. When the lend at the top of the shoot and two young leaves just below it are taken, the plucking is said to be fine, when the bud and the three young leaves just below it are taken, the plucking is said to be medium. And when four leaves are plucked along with the bud, the plucking is said to be coarse.

REFUSE TEA.—A large quantity of refuse tea is left behind after manufacture. This is known as tea waste and mainly employed in the manufacture of caffeine. A considerable quantity of this is exported to the foreign countries, mainly to U. S. A.

SEASON.—The season of tea business continues from the end of May when the auctions in Calcutta begin. The principal months of export are from July to December. The auction sales continue weekly up to January or February when only moderate quantities of shipment take place.

SOIL AND CLIMATE.—Tea grows best, in neither a tropical nor a temperate climate but a sub-tropical one, with a fairly humid atmos-

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phere during the season of cultivation which occupies at least the greater part of the year "The ideal tea climate," remarks Dr Mann, "is probably that of Upper Assam and perhaps of Cachar—those districts, in fact, where the apparently indigenous tea had been discovered The hilly colder districts of Darjeeling, Kumaon, the Nilgiris and of the Kangra Valley have produced very successful plantations, but in all these the crop per acre is very considerably smaller than that of Upper Assam, though this smallness of crops is often (though not always) compensated for by an increase in quality in the tea"

SIFTING TEA—When the leaves are withered, rolled, fermented and fired, these are sifted into grades The resulting siftings which are of the fine quality are known as unbroken teas, the coarser tea which does not sift through the meshes is transferred to the breaking machine and broken up again and sifted The dust which accumulates during these processes and kept separate from the better qualities is known as tea dust or fanning

SPECIES.—Tea belongs to the natural order Theacea It is prepared, from the young leaves of the tea plant, Camellia Thea It continues to grow extensively at the present time in China, India, Ceylon, Java and some other countries of lesser importance such as Japan, Jamaica, Natal, South America etc

SOUCHONGS—Tea derived from the larger leaves is known as Souchongs See under GRADING

TEA CESS.—In 1903 an act was passed by the Government of India levying an export cess of a quarter pie on the pound of tea The proceeds of it are handed over to the Indian Tea Cess Committee which spends the money on tea propaganda This act, known as the Indian Tea Cess Act, has been amended so that since 1921 the tax has been half a pie per pound This fund has been spent almost wholly in pushing domestic consumption

TEA CHESTS.—At the beginning of the present century tea was packed in wooden chests made of a number of Himalayan wood but as these tainted the tea these soon got into disuse Burmese tea shooks were also largely used once but they have also now given place to patent tea chests imported from Europe

TEA SEEDS.—There is also a considerable trade done annually in tea seeds The exports take place chiefly to Java, Sumatra and Ceylon

TRADE—The Indian trade in tea is mostly of export nature The produce of Assam is brought by rail or steamer to Calcutta where it is warehoused in Kidderpur It is delivered to the parties from there and if meant for Calcutta Auctions which generally begin at the end of May, it is stored, bulked, if necessary, lotted, sold and eventually shipped The supply of tea in Calcutta comes from Assam, Bengal, Bihar and Orissa and Northern India, Chittagong obtains its supply from Assam, Bombay and Karachi mainly from Calcutta and partly from Northern India, South Indian ports mainly from Madras and the Travancore State Besides for export, some quantities of tea are sent by rail for inland consumption and distribution

Tea is generally disposed of by the tea estates in two ways Tea may be despatched direct for sale in consignment to the auction of Mincing Lane, the great mart in London The consignee sells it at the best price available and after deducting his commission remits the sum to the sender The other method is to consign the tea chests for Calcutta auctions, which after being sold they are generally shipped to

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what are known as outside destinations i e, countries other than the United Kingdom.

TRADE BY LAND.—Besides the export trade there is also a considerable trade done by land, mainly with Persia, Afghanistan, Turkistan, Tibet, Nepal and Bhutan By far the most important trade by land is with Persia Persia is followed at a far distance by Afganisthan Most of the exports by land consists of green tea

UNBROKEN TEA.—Tea of superior quality which passes out of the sieve during sifting without being subjected to the breaking operation The finest type is flowery Orange Pekoe Other important types are Orange Pekoe and Pekoe No 1

WITHERING TEA.—The leaves plucked from the field are thinly spread out on light open-work shelves of canvas or an wire-meshed trays to get Correct degree of flaccidity is reached in 17 or 18 works Withered leaves are then collected from the trays and are to be treated in rolling machines

UNIT OF SALE.—The unit of sale is uniformly the lb c i f for London and f o b for America The unit of shipment is the chest which varies in weight from approximately 80 to 120 lbs according to the fineness and coarseness of the quality packed

YIELD.—The yield per acre leaves much room for improvement While in Ceylon and Java the average yield is 1000 lbs per acre, in India it is only half of that

INSTRUMENTS OF FOREIGN REMITTANCES.

FOREIGN MONEY ORDERS—The foreign money orders may mainly be grouped under two classes (1) Rupee Money Orders, (2) Sterling Money Orders Rupee money orders are drawn on countries such as Ceylon, Portuguese India, Iraq, Tanganyika Territory, the Seychelles, the Straits Settlements, Zanzibar, China, Japan, Korea Formosa, Macao, etc The ordinary inland money order form is used in the case of money orders for Ceylon, Portuguese India and the Indian States but in the case of money orders for other countries, a special form, which may be obtained gratis from the Post Office, is to be used The amount of foreign rupee money orders must not exceed Rs 600, nor include a fraction of an anna

Sterling money orders may be obtained by one remitter in one day up to the limit of £40 There is a scheduled rate of commission which is charged by the post offices for issuing them

When quick transferrence of funds is required, money orders may be sent by telegraph. Telegraphic money order system does not apply to any foreign money order exchange except those of the United Kingdom, Ceylon, the Seychelles, Iraq, Mauritius, and the Federated Malay States For this service the post offices charge besides the commission on the foreign money order, a telegraph charge calculated at the rate of inland telegram What the remitter is to do is to fill up the necessary entries in a sterling money order form and write across the form the words "By Telegraph Express" or "By Telegraph Ordinary" according as whether he wishes the telegram advising the remittance to be sent express or ordinary The form should then be presented along with the money and commission

BRITISH POSTAL ORDER.—British Postal Orders are employed to make small remittances by individuals and small traders to Great Britain, Northern Ireland, Irish Free State and to some of the British Possessions, Colonies and Agencies

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INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

The Postal Orders in India are available for all denominations beginning from 6d. and increasing by 6d. each time up to 21 shillings. Broken amounts up to 5 penny (but not including the fraction of a penny) are allowed by postal regulations to be made up by affixing to the face of any British Postal Order unused Indian or British postage stamps not exceeding three in number, of equivalent value—one anna being equal to one penny. The only Indian postage stamps which may be used for the purpose are those of the values of 1, 2, 3 and 4 annas. The poundage chargeable in respect of orders ranging from 6d. to 2s. 6d. is 1 anna; for 3s. to 15s., 1½ annas and from 15s. 6d. to 21s., 2 annas.

The issue of these orders to any single individual in one day is at present limited by postal regulations up to £20.

Remitters may cross the Postal Orders before sending them for collection, much in the same manner as cheques are crossed. If a postal order be not paid within three months from the last day of the month of issue, a commission equal to the poundage for the different denominations must be paid in Indian postage stamps to the back of the order.

The payee also should collect the due as early as possible, for orders presented for payment more than six months after the last day of the month of issue cannot be paid without reference.

BANK DRAFTS.—The banker issues drafts on receipt of the exchange value of the amount to be remitted, instructing payment to a particular bank to such and such person, generally the purchaser of the draft, or to his order. The remitter then properly endorses the draft on the back, writing the words "Pay to Messrs. . " (putting the name of the payee) and properly signing below this. The drafts are issued in sets of two. These are of the same form only with the exception that in the original draft payment is ordered, the duplicate being unpaid, while in duplicate the same pay order occurs, the original being unpaid. The original draft is sent by post and the duplicate is sent by the next mail in order that if somehow the original is lost in transit, payment may be made through the duplicate only.

In case of quick transferrence of funds to foreign countries, the customer should buy the cable or telegraphic transfers which are nothing but demand drafts sent by cable instead of by mail.

LETTER OF CREDIT.—It is a document issued by a banker authorising the banker to whom it is addressed to honour the cheques of the person named to the extent of a certain amount and charge the same to the account of the grantor. But sometimes and especially in the import trade it is so worded as to authorise the person to whom the credit has been extended to draw upon the bank granting it in conformity with certain conditions imposed in the letter itself.

BANKER'S BILL OF EXCHANGE.—Banker's bills of exchange are payable after the expiration of a stipulated period after presentation to the drawee and acceptance by the same and are drawn in sets of two or three and these are to be sent to the beneficiary by succeeding mails.

The bill is to be endorsed on the back and then forwarded to the exporter who will present it to the drawee bank for acceptance and then collect the amount on due date. After the bill has been accepted, the holder of it can use this as a negotiable instrument.

Utilise your Waste Products by reading "Utilisation of Common Products." INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

REVIEW OF TRADE AND INDUSTRIES DURING 1935-36.

THE financial year just closed has not been as fruitful as it was expected to be when it just commenced. The expectatious of economic recovery during the year under review still remain unfulfilled. Price levels have moved upwards in most of the industrial countries of the world and pronouncedly in U. S. A, Canada and Japan. This recovery was reflected in the increased demand for raw materials in non-European agricultural countries but due to the operations of the Ottawa preferences India was hardly in a position to benefit from this recovery. But that the recovery was not considerable will be evident from the fact that the gold value of the world trade improved only by 2 5 per cent. during the year and the quantum by 1 3 per cent.

Considerable uncertainty rules about the future of the world trade. Italy is in direct conflict with Abyssinia. Foreign relations between the European countries at the present moment are perilously constrained. Situation in the Far East are far from reassuring. Over and above the trade barriers are continuing to assume higher and higher proportions and obstructing the free flow of international trade.

In India the prospects appear no more rosy. Industries with the solitary exceptions of iron and steel, cotton manufactures, etc., are in spite of easy money in the market in a stagnant position.

The year under review opened with a distinctly steady tendency in commodity prices. The index number of prices which stood at 88 points in April 1935 improved to 91 points during May, June and July but receded by 2 points during the course of next two months. Break-out of hostilities in Abyssinia and the ominous scenes in the League of Nations put the markets in excitement and prices went up all around. Almost all the commodities shared the rise. Embargo was imposed on certain imports from and exports to Italy. The improvement was short lived. Cereals which opened at 75 points in April 1935 touched 80 points in January 1936, and then receded to 76 points in March 1931. Sugar rose from 125 points in April to 133 points in October, since then it began to decline and closed at 121 points in March 1936. Tea however had a good season due to restriction of crop. The prices were on an upward direction all through the year. Prices opened at 107 in April and displayed a favourable rise by gracious steps to 122 points. Jute also in a like manner showed a small upward tendency. Jute opened at 46 points and rose to 56 points in October with the Italian campaign in Abyssinia. Prices of raw cotton improved slightly in the middle part of the year but closed at 80, only 4 points above the opening rate. Oilseeds had a disastrous fall to 95 points after a steep ascent from 103 points to 111 points in December. In the hides and skins market the prices tended to rise gradually from 57 points by 20 points. Cotton manufactures and building materials on the otder hand exhibited a downward tendency. In short the index number of prices rose from 88 points by 3 points throughout the year.

Guide To First Aid: An indispensable guide for every home. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Securities Market—The gilt-edge market has undergone some violent fluctuations during the year owing to various causes, principal of which were the Abyssinian and silver crisis However, despite these repercussions the undertone remained sound and, so soon as confidence was restored, recovery was rapid and at the close of the year dated issues were at their peak for the year Government floated a Sterling loan in July of £10,000,000 The terms were 3 per cent at 98, maturity 1949-52 The issue was heavily oversubscribed in a few minutes Government followed this in August with a rupee flotation of 15 crores 3 per cent at Rs 96-8, maturity 1951-54 This also met with a favourable reception and the lists were closed in a few minutes At the close of the year the sterling issue was at a slight premium and the rupee issue was at a heavy premium

Bullion and Exchange—Rupee Exchange has been throughout the year at a premium over sterling and Government has readily obtained its sterling requirements The principal factor in this strength is the export of gold which has continued at an average of approximately £700,000 per week For the year the export of gold totals 46 63 crores and this brings the total export from September 1931 to 256 76 crores There is no chance that the average figure will diminish in the near future

Silver has proved a violently fluctuating market, and on two occasions little short of panic conditions reigned in Bombay The first debacle was in August and was attributable to wild forward speculation in anticipation of continuous increases in the American buying price, which increases did not materialise In the last quarter of 1935 a fresh crisis arose, with China officially going off a silver currency This was followed shortly afterward by a departure by the United States Treasury from its established policy of concentrating its buying in London A large proportion of offering in London of both spot and forward remained unabsorbed and in consequence it was difficult to fix quotation Prices reacted violently but it is satisfactory to note that commitments were generally met and there were only insignificant failures During the year the highest price touched in Bombay was Rs 84-4 0 per 100 tolas and the lowest Rs 48 per 100 tolas, in the months of April and January respectively

Bank Rate—The Bank Rate remained at 3½ per cent for the major part of the year but easy conditions and weight of money awaiting investment compelled a reduction to 3 per cent, on the 28th November and it remained at this rate for the remainder of the year

Money Market—The condition of the money market was easy throughout the year Indeed during the closing months of the year money was so plentiful as to be almost unlendable Call money was quoting at ¾ per cent, nominal both in Calcutta and Bombay and the Bazaar Hundi rate was much below the nominal rate for such transactions Any offtake, in the shape of cash subscription to the new loan issued in August, was more than counterbalanced by repayment of 5 per cent Bonds, 1935, and 6½ per cent Treasury Bonds, 1935, which matured in September The seasonal demand from the commodity markets and trade, which is normally keen during the latter part of the year, did not materialise to the usual extent and in consequence large sums are in the hands of houses awaiting investment and money is cheap to an unprecedented extent for this period of the year.

Clearing House Returns—The total clearances of cheques through the Clearing Houses in India and Burma during the year 1935 amounted to Rs 1,944 57 crores as against Rs 1,787 31 crores in the previous year.

Treasury Bills—The Reserve Bank commenced sales of Treasury

Cattle Breeding & Dairying: A handbook on keeping Cows. As. 4.
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Bills by tender on the 16th April 1935, the sale was suspended for a period of 6 weeks—from 20th July to the 6th September 1935 The total sales of Bills, including Intermediates, during 1935 amounted to Rs 76 77 crores as against Rs 103 80 crores in 1934 Intermediate Treasury Bills were sold by the Bank for a period of about three weeks, from 20th September to 11th October, 1935, and realised Rs 12 74 crores, whilst the total intermediate bills sold during the year amounted to Rs 16 50 crores The highest and lowest yields per cent per annum on the bills during 1934 and 1935 were Rs 2 9 11 and Re 0-13-9 and Rs 2-0 2 and Re 0 11-8 respectively The decrease in the total sales compared with 1934 of Rs 27 03 crores and the lower yields indicate the easy condition of Government's financial position during the year under review

CENTRAL BUDGET

Reviewing the financial situation in his budget speech, to the Assembly on 28th February, 1936, Sir James Grigg disclosed that as against a surplus of 3 27 crores in the revised estimate of last year actual surplus amounted to 4 95 lakhs From this, he concluded that recovery in India's economic position had set in more strongly than could have been foreseen a year ago The budget for 1936 37 estimates a revenue of 87 35 crores as against an expenditure of 85 30 crores, leaving a surplus of 2 05 crores

The following reduction in taxation were announced —

Income tax on incomes up to two thousand rupees per annum is abolished

The present surcharge on income tax and super tax is halved, and the surcharge is therefore reduced to one third of the original surcharge

Postal concession was announced in increasing the weight allowed in a one anna letter from half to one tola, and the adoption of a scale of an additional half anna for every additional tola

The realised surplus of 1934-35 will be used as follows —

Thirty lakhs to agricultural research schemes

Ten lakhs for the research fund association

Five lakhs to the cottage woollen industry

Twenty lakhs to broadcasting,

Leaving 108½ lakhs, which will be given to the provinces on a rural population basis for rural uplift schemes to be approved by the Government of India

As regards the surplus of the current year, Sir James Grigg proposes to allot 17½ lakhs to Sind and 27½ lakhs to Orissa for expenditures on buildings, leaving 197 lakhs which will be put into revenue reserve fund to help out the finances of first year of provincial autonomy

Sir James Grigg was therefore free to use 205 lakhs surplus of 1936 37 for relief in taxation, and he did so in the hope there would be a further expansion of two crores annually in revenue

The following are extracts from the speech of the Hon'ble Finance Member on introducing the Budget proposals for 1936 37

Financial Year 1934-35

Against a surplus of 3,27 lakhs in the revised estimate of last year, actual surplus was 4,95 lakhs The excess of 1,68 lakhs was due mainly to increases of 1,50 lakhs under the general Customs and Excise head Further excesses of 30 lakhs on Income Tax, 24 lakhs on Posts and Telegraphs, and 19 lakhs on Currency and Mint were partially counterbalanced by a short fall of 55 lakhs from salt

The increases point to one cause, that the recovery in India's economic position had set in more strongly than could have been foreseen a year ago

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Last year the House decided to transfer the whole of the unallocated surplus to the Rural Development Fund. This surplus has turned out to be 2,81 lakhs instead of 1,13 lakhs as was expected.

Financial Year 1935-36.

Revised estimates expect a surplus of 2,42 lakhs instead of 6 lakhs. This is due to an improvement in revenue of 3,53 lakhs offset by an increase of 1,17 lakhs in expenditure.

Of this 3,53 lakhs improvement in revenue 1,85 lakhs comes from the import duty on sugar, 40 lakhs from Income Tax (due to trade recovery being greater than expected), while duties on raw cotton, machinery, petrol, jute, sugar and matches are "heading for surpluses."

Expenditure increases were due to the Quetta Earthquake (41½ lakhs), interest on Ordinary Debt and Other Obligations (10,63 lakhs instead of 10,39 lakhs), and a number of items under Civil Administration in which Frontier Watch and Ward figures largely.

Defence—The Budget figure was 44,98 lakhs Substantial savings have accrued from unforeseen causes, for example, 10 lakhs as a result of troops being despatched beyond India, and the postponement of 9½ lakhs of new works in order to provide funds for emergency work at Quetta. Against this has to be set expenditure in Baluchistan as a result of the earthquake and the cost of the Mohmand operations. These variations result in an underspending of 4 lakhs which accrues to the Defence Reserve Fund.

Posts and Telegraphs.—Instead of a loss of 13 lakhs a profit is expected of 6 lakhs due to lower interest rates, increased sales of stamps and higher receipts from trunk telephone calls.

Financial Year 1936-37.

The revenue forecast is placed at 87,35 lakhs, an improvement of 83 lakhs over the revised estimate for the current year.

Customs.—Receipts are estimated at 54,82 lakhs. Allowance is made for 1,60 lakhs less from the sugar duty and an improvement of 1,71 lakhs under other heads.

Taxes on Income.—A yield of 17,60 lakhs is anticipated, an increase of 80 lakhs. Expenditure is estimated at 85,30 lakhs an increase of 1,20 lakhs. Ordinary Debt and Other Obligations are estimated at 9,20 lakhs as against 10,63 lakhs a reduction of Rs. 1½ crores.

Subventions to Sind and Orissa.—These two new provinces start on April 1, 1936. Subventions of 1,08 for Sind and 50 for Orissa are intended only to enable the provinces to balance their budgets during their first year's working. They are not intended to prejudge the claims of these two provinces at the inquiry which Sir Otto Niemeyer is now holding.

Civil Administration.—An increase of 64 lakhs includes provision for two public health schemes in Delhi (18 lakhs), the growing Broadcasting Service (4 lakhs), Civil Aviation (5 lakhs), and restoration of cuts in pay for the full twelve months instead of eleven months last year (11 lakhs).

Defence.—Estimates stand at 45,45 lakhs including 60 lakhs for Quetta. Excluding this and making allowance for a certain accounting change this means an increase of 21 lakhs, including enhanced provision for ordnance stores 20 lakhs.

Posts and Telegraphs.—It is proposed to abandon the scheme for a depreciation fund in favour of one for renewals and minor improvements, to which 25 lakhs will be contributed next year. An enhanced provision of 2 lakhs is proposed for providing postal facilities in rural areas. A net surplus of 15 lakhs is forecast.

Vegetable Oil Industry. An up-to-date manual on oil milling & refining. Price Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

A surplus of 2,05 lakhs is, therefore, estimated for 1936-37, with revenue at 87,35 lakhs and expenditure at 85,30 lakhs.

Ways and Means.—The Government of India received 43 lakhs as its share of profits of the Reserve Bank during its first nine months' working

Next year's sterling requirements are estimated to be £41 millions, including the repayment of the 5½ per cent Stock 1936-38 without fresh borrowing in London.

Savings Banks Deposits.—Excess of Savings Bank deposits next year over withdrawals are estimated at 8,25 lakhs. As regards Cash Certificates the reduction in the rate of interest in 1934 has been, of course, followed by larger discharges The Finance Member expects therefore a balance of receipts and discharges in 1935-36 and a net discharge of 50 lakhs in 1936-37.

Borrowing Programme—Government have been able to take considerable advantage of the low market rates during the year, both in converting sterling and rupee maturities and in borrowing funds through treasury bills. Three per cent issues at 98 in London and 96-½ in India heavily over-subscribed

PROVINCIAL BUDGET ESTIMATES.

The following compiles the provincial budget estimates for 1936-37

	Revenue Receipts	Revenue Expenditure
	(in crores of rupees)	
Bombay (excluding Sind)	12 03	12 03
Madras	16 4	16 4
Bengal	11 49	11 91
Punjab	10 44	10 6
C P	4 81	4 89
Bihar (excluding Orissa)	4 7	4 81
U P	11 71	12 45

RAILWAY BUDGET.

The Railway estimates presented by Sir Zafrullah Khan in the Legislative Assembly and Sir Guthrie Russel in the Council of State on February 17, 1936, forecast a final deficit in 1935-36 of about 2¾ crores more than originally estimated For 1936-37 the budget anticipates a deficit on commercial and strategic line taken together of nearly 3½ crores An abstract of the budget figures follows:—

	(Figures in lakhs of rupees).		
	1934-35.	1935-36. (Revised)	1936-37. (Budget).
Gross Traffic Receipts	90 20	90 00	91 25
Net Revenue	26 74	26 83	27 67
Interest Charges	31 80	31 37	31 11
Deficit	5 06	4 54	3 44

Causes of Deficit.

Sir Zafrullah pointed out the main reasons for the falling off in earnings during the period of adversity, he summarised as:—

(a) world depression and general collapse of commodity prices; (b) striving after self-sufficiency by almost every country in the world, including India, and development of internal trade and production; and (c) increase in motor competition, and to a lesser degree, river and sea competition. To these should be added two factors tending to keep working expenses at a higher level than otherwise, namely:—(i) labour legislation; (ii) improvement in service conditions of staff.

Vegetable Oil Industry. An up-to-date manual on oil milling & refining. Price Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Under (a) in the first group, i e, world conditions and collapse of commodity prices, Sir Zafrullah proposed to deal with main products, viz, cotton, wheat and oilseeds With respect to cotton, the acreage sown appeared to vary in direct proportion to the market price, and obviously railway earnings varied with the area under cultivation He continued,

"Our earnings from cotton dropped from Rs 4½ crores in 1929 30 to under 3½ crores in 1934 35 Taking the Great Indian Peninsula Railway alone, in 1929-30, the earnings from cotton were 187 lakhs as compared with 90 lakhs in 1934-35

Before the War and up till 1924-25, India was a large wheat exporting country Since that year, the export traffic in wheat has been practically dead, and till lately there seemed to be little chance of Indian wheat getting into world parity, despite the efforts that had been made to stimulate such export by giving a rebate on railway freight for such traffic The difference in earnings between 1924-25 and 1934-35 on this traffic is almost exactly Rs 2 crores, of which the North Western Railway alone have lost about Rs 1½ crores

Traffic in oil seeds has dropped within the last six years by Rs 1½ crores The traffic on the Madras and Southern Mahratta Railway alone has dropped from Rs 127 lakhs to Rs 66 lakhs The reduction in our earnings on these three commodities alone is just over Rs 4½ crores, i e, just about the figure of our expected deficit this year"

Economic Nationalism.

As regards the second factor the striving after self sufficiency and the development of internal trade and production, the general effect of this policy on railway earnings, so far as India is concerned, has been to replace long lead traffic to and from the ports by short lead internal traffic With increasing prosperity and the further development of industries in the country, part of this loss may be made up, but it is apprehended that in the present state of world industry and international commerce, it will take a very considerable period of time for this happy consummation to be achieved The North Western Railway estimate that they alone have lost over 50 lakhs a year on account of this substitution of short lead traffic for long lead traffic Again, India has, in the past, been a very large exporter of groundnuts, especially to France In recent years France has been encouraging the growing of ground nuts in her own African Colonies, thus displacing the Indian product to a considerable extent from the French market Other examples could be quoted, but these will suffice to illustrate how the policy adopted in India and other countries may react on railway earnings India is in the course of re adjusting itself to new conditions in this respect, and a certain amount of disturbance of old conditions is inevitable during the transitional period Our concern is due to the anticipation that the transitional period is likely to be a protracted one

Effect of Irrigation Projects.

Taking again the effect on railway earnings of irrigation schemes like the Lloyd Barrage in Sind and the Mettur project in Madras, both of these are hoped to prove of great benefit to the country as a whole The immediate result is bound to be a loss to Railways inasmuch as the effect of these and similar schemes is to restrict the area of supply and to substitute local produce for commodities brought from a distance. In the case of the Lloyd Barrage, the North Western Railway is, it is estimated, already losing 20 lakhs a year by the substitution of Sind wheat and cotton for Karachi in preference to Punjab wheat and cotton with its longer lead If, however, Punjab wheat begins to be

USEFUL PHRASES: A HELPFUL COMPANION TO ALL. AS. 4.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA

diverted in larger quantities to the United Provinces, Bihar and Bengal, and even, let us hope, to the South of India Railways might more than regain the traffic in this commodity which they have lost in Sind These illustrations will show how the growing prosperity of the country itself in various directions might adversely affect railway earnings, but as this phase may only be temporary there can be no doubt that, given a material and permanent increase in the prosperity of the country in the agricultural as well as in the industrial fields, Railways may eventually find themselves in a better financial position than they have achieved at any time in the past

On the question of the striving of different countries after self sufficiency and the development of internal trade and production, he said, "The general effect of this policy on railway earnings, so far as India is concerned, has been to replace long lead traffic to and from the ports by short lead internal traffic With increasing prosperity and the further development of industries in the country part of this loss may be made up but it is apprehended that in the present state of world industry and international commerce, it will take a very considerable period of time for this happy consummation to be achieved"

Road-Motor Transport

On the competition of road motor transport, he said "It is estimated that to day railways are losing three crores of revenue to the roads per annum So far, the loss has mainly been on passenger traffic, but signs are not wanting that valuable goods traffic, such as piecegoods, is being lost to the roads Then apart altogether from road transport river and sea competition has been intensified in the past few years These interests owing to the trade slump have had to cut down their rates or go out of business In some cases, it has been possible to retain traffic to the railways but only by a reduction in rates with consequent loss in earnings"

The member observed, "Till world conditions improve and there is a general improvement prices of commodities there is little, if any, prospect of railways regaining the greater part of the traffic they have lost on this account Though the signs may be faint, there are signs that the world conditions are improving

As regards the problem of self sufficiency the more outside countries become self sufficient, the less will India export to them, and unless there is a radical change in general world policy, it is feared that there is little chance of regaining the traffic lost through this cause As for the self sufficiency of India herself, as her industries develop, presumably the country will become wealthier, and though we may have lost the larger portion of our long lead traffic if there is more money to spend, it is bound to have its effect on railway earnings"

Frauds on Railways

Sir Zafrullah then referred to two factors which occasion considerable leakage in railway revenue for which early remedy was necessary—

(1) evil of ticketless passenger, and

(2) under-charging of freight either by negligence or fraud of Railway employees through under-weighment and misdeclaration of goods

Sir Guthrie Russell, Commissioner of Railways, announced in the Council of State that legislation to strengthen the law against ticketless travellers will be introduced

BUDGET FIGURES.

The revised estimate of deficit on railways in 1935-36 is 4½ crores against 5 crores last year The improvement is due mainly to reduction of about half a crore in interest charges

USEFUL PHRASES: A HELPFUL COMPANION TO ALL. AS. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Total traffic receipts of State lines are expected to reach 90 crores--a quarter crore less than last year. Total working expenses amount to 64 crores including 13¼ crores for depreciation, or the same as last year.

The total deficit of 4½ crores (of which 2 crores are for strategic lines) will be met by a temporary loan from the depreciation fund which will stand at 9 crores at the end of the year.

The Budget estimate for 1936-37 assumes receipts of 91¼ crores. This allows for improvement of 1¼ crores over the current year based on a slight increase in traffic anticipated and alterations in rates and fares made by railways.

Total working expenses will amount to 64½ crores and will be half a crore more than in the current year. Deficits on all State lines in 1936-37 will be 3½ crores, including 2 crores on strategic lines. The balance of the depreciation fund at the end of the year will be 11¾ crores. Loans from the fund to meet deficits will stand at 35½ crores.

The works' programme for 1936-37 is smaller than in recent years. The total sum provided is 10¼ crores after allowing for the reduction of stores balances by half a crore. No new construction is proposed. Track renewals account for 5 crores bridge work for ¾ crore, other structural works for 2½ crores and rolling stock for 3¼ crores.

Provision of 12 lakhs has been made for repairs of earthquake damages at Quetta. The programme includes provision of about 1,200 wagons to meet increase in traffic demands, of which 750 are broad gauge general service wagons to be added to the pool.

INDIA'S COASTAL TRADE.

Considerable interest attaches to the coastal trade of India in view of the persistent attempt that is being made in the legislature to reserve coastal trade to Indian shipping. During the official year 1934-35, the total value of imports amounted to Rs. 79,97,68,034 and exports to Rs. 83,17,61,742 compared with Rs. 66 82,82,616 and Rs. 72,01,94,505 respectively during 1933-34 and Rs. 73,41,75,202 and Rs. 75,16,57,355 respectively during 1932-33. The value of Indian coastal trade has somewhat progressed during the last three official years, the imports increasing during the period by Rs. 6·56 crores and exports by Rs. 8 01 crores. The detailed figures in this connection are as under:—

IMPORTS.	TWELVE MONTHS, APRIL 1 TO MARCH 31		
Into the Martime Provinces of	1932-33. Rs.	1933-34. Rs.	1934-35. Rs.
Bengal	18,07,47,896	13,67,86,760	19,04,01,558
Bihar & Orissa	9,49,589	7,66,602	8,45,909
Bombay	18,72,14,821	18,33,76,825	21,17,54,301
Sind	8,67,20,486	8,01,73,459	8,52,81,945
Madras	18,26,48,550	17,40,36,490	20,77,57,709
Burma	9,58,93,860	9,31,42,480	10,37,26,612
Total — Rs.	73,41,75,202	66,82,82,616	79,97,68,034

EXPORTS.	TWELVE MONTHS, APRIL 1 TO MARCH 31		
Into the Martime Provinces of	1932-33. Rs.	1933-34. Rs.	1934-35. Rs.
Bengal	10,90,53,613	8,23,08,480	10,05,55,223
Bihar & Orissa	4,86,493	3,38,020	4 14,090
Bombay	23,62,46,890	20,80,43,950	22,16,59,297
Sind	5,93,05,376	5,76,63,990	7,75,88,288
Madras	7,58,55,082	7,69,29,386	9,83,92,994
Burma	27,07,09,901	29,49,10,679	33,31,51,850
Total — Rs.	75,16,57,355	72,01,94,679	83,17,61,742

Common Faults and Errors: A guide to writers and speakers in English Price As. 4. Industry Book Dept., Shambazar, Calcutta.

TARIFF BOARD REPORTS.

THE Reports of the Indian Tariff Board regarding the grant of protection to the Shuttle making industry, Glass industry and Woollen industry were published during the course of the year. Salient features of the reports are given below:—

POWER LOOM SHUTTLE INDUSTRY.

An application was received by the Tariff Board from Messrs. H. M. Patel & Co., of Bombay for the increase of the duty on shuttles imported into India, or in the alternative to reduce the duty on wooden blocks used for their manufacture. The following extracts are taken from the report:—

The present enquiry deals chiefly with the power loom shuttles. The following list gives the prices of the materials imported for the manufacture of one gross of shuttles:—

		s.	d.
(1)	Wood blocks.—Average cost after taking into account 15 per cent. wastage in manufacture per gross.	54	0
(2)	Tips.—2 gross, per gross of shuttles	11	0
(3)	Tongues.—Per gross	26	0
(4)	Other fittings, e.g., eyes, clips, springs, etc. per gross of shuttles	11	0

The duty on the wood blocks at 25 per cent. amounts to 13 5 shillings, the duty on the other fittings at 10 per cent. to 4 85 shillings a total of 18 35 shillings (a little over Rs. 12). It will be seen that the duty payable on the British imported shuttle is somewhat higher than that payable on the materials required for its manufacture in India. The prices of the shuttles imported from all countries other than Japan are equal to or slightly higher than the prices of the British article. The claim, therefore, that the import duty on the finished article is lower than the duty on the materials has not been substantiated except in the case of the Japanese.

Coming to Japanese imports the Tariff Board find that the import of Japanese shuttles has increased in value from less than Rs. 2,000 in 1929-30 to over Rs 50,000 orders for Japanese shuttles for power looms, the prices of which are very low and attractive, the most recent imports being as low as from Rs. 6 to Rs. 8 per dozen (ex. godown). The evidence given to the Board by various mills which have experimented with these shuttles is that they are not satisfactory, their life in a power-loom being very short. There appears therefore at present to be very little prospect of the Japanese power shuttle competing successfully with other shuttles made of a tougher wood. The increase in imports is undoubtedly due chiefly to the use of the cheap Japanese handloom shuttle, the most recent c.i.f. prices of which are about Rs. 3-12 per dozen. The Indian industry does not compete with these. Until therefore evidence is forthcoming that the Japanese power loom shuttle has improved and can compete with the other imported shuttles, the Board see no reason for adopting Japanese prices as the basis for computing the relative incidence of duty. But experience in other industries of Japanese methods indicates that

Common Faults and Errors: A guide to writers and speakers in English Price As. 4. Industry Book Dept., Shambazar, Calcutta.

the Board may expect the imports even of power loom shuttles to increase, and the very low prices may tempt more mills to try them. Whether they will succeed in establishing themselves in the Indian market must ultimately depend on improvement in the manufacture. Meanwhile the small Indian industry is turning out a better article and is obtaining prices for the present considerably greater than those of the Japanese, viz. Rs. 10-8 per dozen for the small size and up to Rs. 11-8 for the larger. They are paying duty on the raw materials of about Rs. 12 per gross of shuttles, while the Japanese imported power loom shuttles pay a duty which may amount to from Rs. 6 to Rs. 8 per gross. The competition is at present not much more than a fear of the future. But the Board recommend that the situation should be watched. Should the fear of Japanese competition materialise, Japanese prices would become relevant and the case for tariff inequality would be clearly established.

GLASS INDUSTRY.

In response to the representations of certain glass manufacturers in India the Government of India referred to the Tariff Board for examination the claim of the indigenous Glass Industry for protection.

The Report of the Tariff Board, which was published on 22nd June, 1936 shows that the Glass Industry has a wide geographical distribution in India and that there are as marked differences in the nature of its products and in the methods of their manufacture as in its location. But whatever differences may exist in these respects, the Report makes it clear that all branches of the industry have a common need for the same raw materials. In Chapter II of its Report the Board, in accordance with its terms of reference, has investigated the natural advantages possessed by the industry with a view to determining whether it satisfies the first condition prescribed by the Indian Fiscal Commission and in particular it has examined the resources of the industry in respect of raw materials. Of these by far the two most important are silica and soda ash, and while the Board is of opinion that ample supplies of the former in the form of sand of sufficiently good quality are available, it has found that satisfactory sources of soda ash are not yet in existence in India and that the industry is dependent on imported supplies. The Board does not, however, consider that this fact in itself invalidates the claim for protection and it finds that the first of the conditions prescribed by the Fiscal Commission is satisfied.

The Government of India express their regret that they are unable to accept this finding. They are of the opinion that the absence of indigenous supplies of a raw material which in the United Provinces, where the Glass Industry is to a great extent concentrated, represents 70-75 per cent. of the total cost of materials and which even at ports of entry represents 30-45 per cent. of that cost, constitutes a disadvantage to the industry which cannot possibly be balanced by any advantages which it possesses in other respects. The Government of India are unable to distinguish the present case from that of the manufacture of electric wires and cables in which the Tariff Board itself held that the absence of indigenous supplies of copper was a fatal obstacle to the grant of protection.

At the time when its Report was written, however, the Tariff Board expressed the opinion that supplies of soda ash would in the immediate future be available in this country. The Government of India were therefore reluctant to reject the claim of the industry for protection until it had been ascertained whether or not the anticipations of the Board were likely to be fulfilled. Enquiry has, however,

Dental Preparations: An excellent handbook on making Tooth Pastes, Creams, Powders, Cements etc., Re. 1-8. Industry Book Dept., Calcutta.

shown that the Board was unduly optimistic and that no adequate source of Indian soda ash has yet been developed It is possible, however, that a fresh source of supply may be available within the next few years at Khewra and the Government of India do not propose to take a final decision on the claim for protection until the possibilities of this new source have been more fully explored

There are a number of other matters in respect of which the Government of India express their ability to accept the Tariff Board's conclusions, but as they do not propose to take a final decision at present, it is unnecessary to discuss these now In the meantime, until such final decision can be taken, the Government of India have decided to afford the glass manufacturing industry certain measure of relief by way of rebate of the duty on imported soda ash The proposed procedure for granting this rebate is as follows —

When a Collector of Customs is satisfied that any consignment or part of a consignment of soda ash imported at his port has been supplied, after the date of this Resolution, to a glass manufacturer for use, within a reasonable period, in the manufacture of glass, he will on the request of the importer pay to the glass manufacturer a refund of the entire duty in the case of soda ash of British or colonial origin and of the excess over 10 per cent ad valorem in the case of other soda ash The refund will be paid by cheque to the manufacturer or his authorized agent

This concession will continue for three years at the end of which period, if it appears that a prima facie case for protection that exists, a further reference will be made to the Tariff Board

WOOLLEN GOODS INDUSTRY

In their report on grant of protection to Woollen industry the Tariff Board differentiates between the woollen and worsted branches of wool manufacture Regarding the latter, the Government reject the claim for protection on the Tariff Board's finding that for a long period the worsted manufacture will be dependent on foreign supplies of raw material The Board had recommended 40 per cent 'ad valorem' duty on worsted shawls and piecegoods against japan coupled with exchange compensation duty for three years

The Board itself did not recommend for protection of Indian yarns on the ground that there was no independent spinning industry in India

Regretting the absence of evidence by the Cawnpore and new Egerton Woollen Mills which, the Board say, represent fifty per cent of the industry and consequent suppression of relevant facts by them, the Government find that this vitiates any calculation of the degree of protection necessary in order to equate the import prices to fair selling price of an average efficient mill Accordingly the Government reject the claims for protection based on the evidence placed before the Board However, they propose to refer back the claim to the Tariff Board in order that the absentee interests may give evidence

While rejecting the claims for protection to the woollen industry the Government agree with the Board that the cottage industry will derive benefit from technical advice and marketting arrangements and have, subject to the vote of the Assembly, made a grant for five lakhs of rupees spread over five years for the benefit of cottage and small-scale woollen industries

With regard to the woollen hosiery industry, the Government have deferred action pending further report by the Tariff Board on the main industry

Dental Preparations: An excellent handbook on making Tooth Pastes Creams, Powders, Cements etc, Re 1-8. Industry Book Dept., Calcutta.

The recommendations of the Board in respect of cotton hosiery and staple fibre will be separately considered and conclusions announced in due course The main recommendations of the Board are separate classification for woollen blankets in the customs schedule Blankets containing 25 per cent wool should entail a specific duty of four annas per pound 'plus' 25 per cent ad valorem' A minimum duty of one rupee per blanket is proposed for protection to the handloom industry

The Board have further recommerded that shoddy goods should no longer be excluded from classification as woollen piecegoods and entail a specific duty of one rupee per pound with an alternative 'ad valorem' duty of 35 per cent on woollen piecegoods Shawls are recommended to be included among worsted piecegoods with 40 per cent duty against Japanese imports plus' exchange compensation duty

Mixtures, if liable under the classification "woollen," should be levied the same duty as pure woollens and worsted mixtures as pure worsted goods The Board recommend a continuous preferential rate of 25 per cent 'ad valorem for British imports For hosiery a protective duty of 18 annas per pound or 35 per cent 'ad valorem' is recommended Staple fibre should be admitted duty free like other raw material

The Board recommend the prohibition of export of lambs' wool on pelt to prevent the increasing slaughter of ewes

SPECIAL TEXTILE TARIFF ENQUIRY

A Special Tariff Board was appointed to hold an enquiry regarding the level of duties necessary to afford adequate protection to the Indian cotton textile industry against imports from the United Kingdom of (a) cotton piecegoods, (b) cotton yarn, (c) fabrics of artificial silk and (d) mixture fabrics of cotton and artificial silk A departure has been made for the first time in the history of tariff enquiry by defining adequate protection as duties which will equate the prices of imported goods to the fair selling prices for similar goods produced in India

The Board is constituted as follows —

Sir Alexander Murray, President, Mr Fazl Ibrahim Rahimtoola, and Dewan Bahadur A Ramaswami Mudaliar, members

The origin of the enquiry may be traced to the fact that Sir Joseph Bhore, the then Commerce Member, in the course of a debate, stated that though it was intended to afford the textile industry protection for a period of five years, the tariff rates on British goods would remain in force for two years in accordance with the terms of the agreement between the Lancashire Delegation and the Mill-owner's Association of Bombay and that on the expiry of that period, the duties on British goods for the remaining period of protection would have to be decided after a review of the conditions then existing and in the light of such experience as might have been gained The agreement expires on December 31 next, and it would be necessary to introduce legislation in the next budget session to give effect to any changes in duties which may be found necessary as a result of the inquiry by a special Tariff Board

The Board was asked to give full opportunity to the cotton textile industry, whether in India or the United Kingdom, to present its case and, if necessary, to answer the cases presented by other interested parties In view of this fact the Board heard the representation from a British Trade Delegation, particulars of which appear on page 220

Hand Spinning & Weaving: Contains detailed methods. As 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

END OF OTTAWA AGREEMENT.

THE working of the Ottawa Pact in the financial year 1934-35 is narrated in a Report of 347 pages. It may be mentioned that the report, unlike that of last year, is not by the Director of Commercial Intelligence but is presented as a Government note and expresses no opinion and confines itself to a statement of facts.

The report goes on to stress certain practical limitations on its preparation and argues very strangely that the consideration whether India's other customers have taken relatively more than the United Kingdom is not quite relevant to the issue.

The first table shows exports from India of articles enjoying preference, which account for 62 per cent of total of Rs. 152·4 crores value of our export trade. The percentage share of the United Kingdom was 30 in 1931-32 and 38·9 in 1934-35 while other countries' percentage fell from 70 to 61·1 during the corresponding period.

India's percentage of the share of imports into the United Kingdom enjoying preferences rose from 4·6 in 1931 to 6·3 in 1934 while the percentage of share of other countries fell from 95·4 to 93·7 during the same period.

As regards imports into British India of articles enjoying preference, the percentage of share of the United Kingdom has risen from 41 to 44, while that of other countries has fallen from 59 to 56 as compared to 1931-32 and 1934-35.

Exports from India of articles not enjoying preference in the United Kingdom fell, in percentage, from 20·5 to 19·6, while that of other countries increased from 79·5 to 80·4 during the four years.

As regards imports into the United Kingdom of articles not enjoying preference, India's share increased from 3·4 to 4·7 while that of other countries fell from 96·6 to 95·3.

Imports into British India of articles on which preference is allowed to the United Kingdom showed that the percentage of the share of the United Kingdom had risen from 33·7 to 39·3; that of other countries fell from 66·3 to 60·7

BALANCE OF TRADE.

The balance of trade of British India shows that whereas in 1913-14 it was against India by Rs. 34 crores in respect of the British Empire it was in India's favour by Rs. 14 crores in 1931-32. During the same period India's trade balance was favourable to the extent of Rs. 100 crores with other foreign countries in 1913-14 and by Rs. 35 crores with them in 1931-32.

The trade in respect of U. K. was just balanced in 1931-32. But for British possessions it was in India's favour to the extent of fourteen crores. In 1932-33 it was against India by eleven crores in respect of U. K. but for other British possessions it was in India's favour by fourteen crores. In 1933-34 the trade just balanced with U. K. but was thirteen crores in favour of India for British possessions. In 1934-35 it was against India by five crores in respect of U. K. but in favour of India by eleven crores in respect of British possessions. As regards other countries the position regarding the balance of trade, was as follows in crores for the three years 1932-33, 1933-34, 1934-35:

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Europe—plus three, plus ten, plus five.
U. S. A.—minus one, plus seven, plus five.
Japan—minus six, minus three, plus three.
Other foreign countries: plus five, plus eight, plus three.
Total foreign countries—plus one, plus twenty-two, plus sixteen.
Grand total of balance of trade in India's favour:—plus four, plus thirty-five, plus twenty-two.

IMPORT AND EXPORT PERCENTAGES.

Imports into and exports from British India show the following share percentages respectively for years 1913-14, 1931-32, 1934-35:

	1913-14	1931-32	1934-35	1913-14	1931-32	1934-35
	(Imports	Percentages).		(Exports	Percentages).	
U. K.	64·1	35·5	40·6	23·4	27·9	31·6
Japan	2·6	10·6	15·7	9·1	8·7	15·9
Germany	6·9	8·1	7·6	10·6	6·3	4·6
U. S. A.	2·6	10·2	6·4	8·7	8·9	8·5
Italy	1·2	2·8	2·3	3·1	3·4	3·9
France	1·5	1·7	1·2	7·1	4·8	3·5

The Report next deals with commodities exported and imported. It points out that as regards wheat, preference was granted in the United Kingdom and Ceylon but has been of little value to India owing to her special position. As for rice, preference was of special importance in view of contraction of Far-Eastern markets. Attempts are being made to improve the quality of Burma rice to make it suitable for consumption in European chiefly U. K. market.

COMPARATIVE POSITION OF CHIEF COMMODITIES.

The following is the comparative position between 1931-32 and 1934-35 of exports from and imports into British India of chief commodities: In these total value for 1931-32 is taken at hundred and figures shown are for 1934-35 as compared to total value of 1931-32:

Rice (not in husk) exported to all countries—58. U. K. 318.
Linseed—All countries 196. U. K. 776.
Tea—All countries 104. U. K. 107.
Tanned hides—All countries 93. U. K. 93.
Tanned skin—All countries 103. U. K. 105.
Jute manufactures—All countries 98 U. K. 86.
Woollen carpets and rugs—All countries 158. U. K. 182.
Groundnuts; All countries 62. U. K. 153.
As regards imports into India the position is as follows:—
Chemicals—All countries 114. U. K. 116.
Drugs—Medicines: All countries 107. U. K. 107.
Hardware—All countries 118. U. K. 107.
Instruments, apparatus etc.—All countries 128. U. K. 135.
Brass and similar alloys—All countries 133. U. K. 187.
Lubricating mineral oils—All countries 86. U. K. 87.
Paints, colours—All countries 87. U. K. 106.
Rubber manufactures—All countries 93. U. K. 201.
Woollen manufactures—All countries 304. U. K. 248.
Motor cars—All countries 175. U. K. 246.
Motor omnibuses—All countries 182. U. K. 178.

END OF THE AGREEMENT.

Ottawa Trade Agreement came in for a good deal of discussions in the Legislative Assembly. It has decided to terminate the Agreement and to recommend to the Government an investigation of the possibility of entering into new bilateral trade agreements with her customers with a view to develop India's export trade in agricultural commodities.

Catechu Making is quite paying. Read Manufacture of Catechu. Re. 1-8.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

INDO-BURMA TRADE RELATIONS.

BURMA EXCHANGE AND CURRENCY.

THE Indo-Burma Tribunal's report was issued together with the text of the monetary agreement between Burma and India. It is unanimous and is signed by Lt.-Col. L. S. Amery, Sir S. A. T. Rowlatt and Sir W. E. Nicholson. An introductory note by the Secretary of State to the Indo-Burma Monetary Agreement says:—

"The Government of India Bill contemplates that special steps should be taken, in the event of the separation of Burma from India, to regulate the relation of the monetary systems of the two countries, and in particular to give effect to certain arrangements for that purpose to be made between the two Governments concerned. The main features of these arrangements, which are of course, contingent upon the separation of Burma, have now been agreed upon and embodied in the appended provisions. The intention is to secure that for a period of at least three years after the separation of Burma the currency and exchange of both the countries shall continue to be managed by the Reserve Bank of India, and that the least possible disturbance of the existing position shall occur.

Under these arrangements, the currency systems of the two countries will, in effect, remain unified. Subject to this fundamental principle, however, provision is made for the issue of distinctive bank notes for Burma immediately on political separation in order to facilitate certain financial adjustments consequent on the joint use of the Reserve Bank.

It is also provided that local coinage of different designs from that in India may, if desired, be introduced in Burma. The arrangement further provides for the performance in Burma by the Reserve Bank of India of the normal functions of a central bank in relation to Government business.

Finally, provisions are made for transactions which will have to take place if and when a complete separation of the two currency systems is desired. Effect will be given in Burma to these arrangements by an Order-in-Council. It may also be necessary to amend the Reserve Bank of India Act of 1934 in certain respects, and a Bill for this purpose will be introduced in the Indian Legislature in due course."

Dealing with the basis of settlement, the Tribunal, after examining the respective views of the Burma and India Governments, arrives at the following conclusion:—

"The existing Government of United India is not a partnership between two existing entities. It is a single Government, which, at the date of separation, will go out of existence leaving behind certain assets and liabilities. It is our task to advise on the method whereby the assets and liabilities should be valued at the date of separation, and in what proportion the two new States should bear the burden of the excess of liabilities over assets. The method we recommend is that the whole of the assets and liabilities of the present Central Government of India be valued on the lines we indicate hereafter, that the ascertained value of assets be deducted from the liabilities, and the

Catechu Making is quite paying. Read Manufacture of Catechu. Re. 1-8.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

responsibility for the balance of the liabilities be assigned to the two countries in the proportion or ratio to be determined by a general consideration of their relative financial and economic positions We hold that the pension liability should be correctly allocated in the same manner as the debt outstanding on the date of separation"

Illustrating the application of the principles by taking the figures up to the year ending March 1933, the Tribunal declares that on the basis of 3½ per cent interest, Burma would pay India Rs. 2,35,46,000 annually for 45 years to redeem principal and interest The Tribunal have assessed Burma's share of the excess of liabilities over assets including pensions at 7½ per cent The Tribunal proposes a committee of three consisting of two members of the Indian and Burman services and an umpire, appointed by the Secretary of State, to apply the Award in detail

INDO-BURMA TRADE AGREEMENT

The text of the trade agreement between India and Burma provides that the goods of one country shall enter the other free of duty and without restriction The adoption of this provision removes any prospect of imposing a duty on the rice entering India from Burma As regards imports into Burma from other countries there shall be a standstill agreement concerning tariff There appears to be no provision for raising tariffs, but duties may be lowered by one country with the consent of the other or in exercise of the special powers of the Governor General of India or the Governor of Burma as at present enjoyed or, in cases where goods imported by one country are not produced in the other, duties may be lowered without consent if two months' notice is given Special provision has been made in connection with the Indo-Japanese Trade Agreement and the tea, cotton and lac cesses

The agreement will run only for three years in the first instance in place of the five years originally proposed, but it is provided that thereafter it may be extended indefinitely unless denounced by either party on notice given twelve months previously There is nothing to prevent their doing so, if both India and Burma determine to maintain free trade relations between them, but the question is whether a period of three years—practically two years—is long enough to enable them to come to the right decision The shortening of the period is due, no doubt, to meet the representations made by Lancashire that Burma should not be committed for a long term to arrangements allowing Indian cottons to enter duty free, while Lancashire cottons are taxed The five-year period was probably not too long as a sufficient period is necessary to afford the free-trade system a fair trial

There shall be no restriction of immigration on either side unless it is deemed imperative to exclude undesirables or in the interests of public health or public safety

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BANKING DEVELOPMENT IN INDIA.

GROWTH of banking habits and institutions is the barometer of the economic prosperity of a country. Industry, commerce as well as agriculture can only develop with banking progress and proper mobilisation of the monetary sources of the country. That the scope for the expansion of banking in India is quite large is seen from the fact that while there is one banking office for every 387,000 persons in India, there is one such for every 3,056 persons in the United States of America, 4,816 persons in Great Britain and 9,491 persons in Japan. Of course the present form of organised banking in India is supplemented to some extent by money lending by indigenous bankers and mahajans but still the financial sources and facilities in India are woefully deficient, considering the enormous need of circulating capital in our midst at present. The paucity of banking institutions in India thus stands out as a visible evidence of her industrial backwardness. The number of purely indigenous enterprises is infinitesimally small and unsupported by the State or any apex bank they had usually to carry on a precarious existence and are left to cope alone with their stronger foreign rivals where resources are many times greater than theirs The recently constituted Reserve Bank of India brings about to some extent a co-ordination among the Indian banks and also supplies a new orientation to the banking policy of India. The natural lack of banking habit among the people combined with the absence of mutual confidence, due largely to the inadequate business experience possessed by the banks, is directly responsible for the undeveloped nature of banking business in India and acts as a drag upon the progress of India's credit institutions. Banking is founded chiefly on confidence and unless every form of distrust is spelt and conservative habits are destroyed no material development is possible.

The development of banking in India on European lines began only a century and a half ago. Though the progress is slow, it cannot be denied that India has made considerable stride in banking matters during the last 60 years, especially during the first quarter of the present century. So far as information is available the number of head offices and branches of banks including agencies working at the end of the year 1933 was as follows as compared with those in 1932 and 1931.

	Head Offices.			Branches.		
	1931	1932	1933	1931	1932	1933
Imperial Bank	3	3	3	163	161	160
Exchange Banks				89	83	91
Indian J. S. Banks	159	171	216	492	551	597

CLASSIFICATION OF BANKS IN INDIA.

The Indian banks fall under five categories: (1) Reserve Bank; (2) Presidency Banks of Bengal, Bombay and Madras which have been amalgamated into the Imperial Bank of India on January 17, 1921; (3) Exchange Banks with their head offices outside India; (4) Indian Joint Stock Banks with head offices in this country and registered under

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the Indian Companies Act, and (5) Co-operative Banks registered under the Co-operative Societies Act of 1912. Since 1928 the official returns of the Joint Stock Banks have been further classified under two groups: (a) The Banks with a paid up capital and reserve of Rs. 5 lakhs and over and (b) Smaller banks with a paid up capital and reserve of between Rs. 1 lakh and less than Rs 5 lakhs. No statistics are available regarding Joint Stock Banks with capital and reserves less than Rs. 1 lakh.

The above classification is simple but defective. It does not take into cognizance the hundreds of thousands of the native private bankers commonly known as shroffs, chetties, mahajans, etc. working on private account and outside the provisions of the Companies Act. The services of this unrecorded class of persons who form the lower rung of the indigenous banking hierarchy cannot be overestimated as it is they who are mainly responsible for the financing of the internal trade in India, which is quite a number of times as great in value as foreign trade. If all these various heterogenous constituents of the Indian money market can be brought together, mobilised and co-ordinated under a Central Bank, the financial power of India will be greatly enhanced.

PRESENT SYSTEM OF BANKING.

At present the most considerable banking systems in India are those of the indigenous bankers and of the Imperial Bank. The indigenous system seems to consist of a lower and an upper grade of financiers. Since this system has not yet been properly investigated and varies in different parts of India, all generalisations regarding it are dangerous, especially if made within a small compass. Coming just above the peasant, the lower grade is made up of the village money-lender, the produce dealer, a cloth merchant, the agent of the landlord and the like. These men lend money usually on the security of crops for the purchase of food, clothing, etc. Often the lower grade is in turn financed by an upper stratum which consists of mahajans, Marwaris and other professional Money-lenders who have their **gudees** in the provincial towns. These men work independently or as firms of financiers who sometimes have their principles and bankers or at least an agent in the provincial capital.

Unlike the complex machinery of western banking, the native system is undeveloped and these firms are rarely entrusted with deposits by the rural people who usually resort to the post office for this purpose. Usually these bankers lend money on **hundis** and pronotes to substantial parties or against securities and arrange for remittances by means of drafts within the province. They keep themselves in close touch with traders and small industrialists and enable the agricultural and industrial products of the country to be brought to the market. In rare cases, when they are entrusted with deposits, they issue cheque books and pass-books, also allow over-drafts and cash-credits. As a rule they lend for short periods and keep their resources in a fluid state. In the district markets their hundis are often negotiable. The fact that they have not been able to attract deposits may be due to the greater safety of post offices and branches of the Imperial Bank.

Although the indigenous bankers act independently of each other some of them still have a few guilds of ancient origin functioning in the north and south of India. Though the bulk of their activities are social and religious, they settle disputes among their members. In modern times these bankers have established a few associations, such as the Shroffs' Associations in Bombay, Ahmedabad and Calcutta, the

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

Marwari Chamber of Commerce, and the Multani and Shikarpuri Bankers' Association in Bombay, Marwari Association in Rangoon and the Bankers' Association in Delhi These have proved useful in bringing the bankers together, binding them to each other in their common interests and settling their daily disputes which otherwise would have had to be referred to the law courts

RESERVE BANK OF INDIA

The year saw the starting of the Reserve Bank of India, the absence of which has been one of the weakest features of India's economic development and organisation It has been constituted according to the Reserve Bank of India Act It took over the Government Accounts Department and Public Debt Office work from the Imperial Bank on April 1, 1935 The assets of the Currency Department were transferred to the Bank on that date The Bank however assumed its full banking functions on July 1, 1935

The Bank has a paid-up capital of Rs 5 crores and a reserve fund of Rs 5 crores It has got both an issue and a banking department It is responsible for the maintenance of the Currency, for the investment of the currency reserves in rupees and sterling and for supplying the Secretary of State with sterling for his London requirement It is the repository of Government balances and attracts large deposits from scheduled banks The main functions of the bank are enumerated in the constitution of the Bank, popularly known as the Reserve Bank of India Act

The following gentlemen have been declared elected as members of the Local Boards of the Reserve Bank of India —

Western Area (Bombay) Sir Purshotamdas Thakurdas Kt, C I E Messrs F E Dinshaw, Rustom Pestonji Masani Sultan M Chinoy and Davidas Madhowji Thackersey

Delhi Area Messrs Satyapalviramani (Amritsar) Shambhulal Puri (Lahore), Rupchand (Lahore), Balakram Pandya (Lahore), and Shinivas (Benares)

Rangoon Area Messrs Muhammad Wawjee Dadabhoy, Rambam Kedia S T Sadasivan, Virjeedaya and Zoora Singh

Madras Area Mr C R Srinivasan (editor Swadesamitran, Madras). Mr Pl V A V Ramanathan Chettiar (banker Chettinad), Sir V Ramesam (ex-Judge, Madras High Court) and Dewan Bahadur T Raghaviah (retired Dewan, Travancore)

Eastern Area (Calcutta) Mr B M Birla, Mr A K Ghosh, Mr. S P Mitra and Rai Bahadur P N Mullick

The Governor of the Bank is Sir Osborne A Smith and Deputy Governors Sir Sikander Hyat Khan, K B E and Mr J B Taylor

History of its Origin.

Proposals for setting-up a Central Bank of India were made as early as the days of the East India Company Since then numerous proposals have emanated from various sources But the proposal was subjected to detailed discussion and searching criticism during the first two decades of the 20th century Controversy raged round the question whether the proposed Bank would be a State Bank or not The Chamberlain Commission of 1913 also suggested the creation of such an institution As the War broke out, the proposals of the Committee were shelved With post-war monetary reconstructions of various nations, the Government of India by an Act in January, 1921, brought to life the Imperial Bank of India amalgamating the three Presidency Banks It was hoped that in course of time the newly constituted Bank

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

would be transformed into a full-fledged Central Bank. and with that object in view, the Government of India delegated some of the functions of a central bank to it. The Imperial Bank thus functioned as a Bankers' Bank though in a limited sense. Yet the Bank was not a full-fledged Central Bank as it did not issue notes, did not keep Government balances, and had no control over foreign exchange and gold import and export. The result was chaos in Indian monetary world, and the crying need of India still remained unfulfilled

Hilton Young Commission's Recommendations.

To remedy the state of affairs the Royal Commission on Indian currency (the Hilton Young Commission), was appointed in 1926. The Commission made a detailed study of the problem and pointed out that there is a dual control over monetary policy. For, the Government controls the currency in general and note issue in particular, and the credit situation is controlled, as far as it is controlled at all, by the Imperial Bank. The Commission recommended a centran bank for India for the following reasons:—

(1) Transactions of the Government pertaining to the market are to be carried out by an agency which knows its business, not by an amateur Government Official.
(2) There must be unification of currency and credit;
(3) Joint-stock-banks can resort to the Central Bank in times of financial panic. As the central bank will extend necessary and adequate facilities to banks, it will also regulate and exercise discipline over them and the public may have an assurance that the banks are obliged (due to Central Bank's Supervision) to do business on wholesome lines.
(4) The Central Bank alone can secure a stable purchasing power, i,e., a more or less stable price-level, by manipulating the discount-rate.
(5) Other nations' experience also illustrates the benefits of a central bank to the whole economic and industrial structure of the country.

The Hilton Young Commission also examined the desirability of transforming the Imperial Bank into a Central Bank but concluded that disadvantages would far outweigh the benefits of such a step. The Imperial Bank is a hybrid of a central and a commercial bank. To make it a central bank, it had to be decommercialised, i.e, all its commercial functions should be stopped. But that would mean a great loss to the development of banking facilities of the country. Moreover, its large number of branches would act as an unnecessary hindrance to its efficient functioning as a central bank. Lastly, the Imperial Bank never evinced any broad national outlook for the economic well-being of the Indian people. There also remains the danger, as Sir Basil Blackett pointed out, that it would fail to command as great and as implicit a confidence as a separate Central Bank would

Sir Basil Blackett's Bill.

In compliance with an insistent public demand for such a bank, Sir Basil Blackett introduced in 1928 a measure envisaging a share holders' bank, with a capital of 5 crores to be subscribed by the public, the denomination of each share being Rs. 100. Indian opinion being decidedly against a shareholders' bank, Sir Basil gave up the share-holders' scheme and evolved a stock-holders' scheme. According to this scheme, the Reserve Bank was to be a State Bank with all its capital owned by the Government, the stock of which would bear interest at 5 per cent. per annum. No one other than a person "domiciled in India or

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a British subject ordinarily resident in India" could be holder of such stocks No stock-holder should have more than one vote The Bill thus modified found favour with majority of the members of the Assembly, but at the instance of the Secretary of State, the Bill was withdrawn, a course which provoked considerable criticism At a later stage, an attempt was made by Sir Basil Blackett to reintroduce the shareholders' principle in a new bill, but leave for introduction of the bill was refused by the President of the Assembly on technical grounds.

Banking Enquiry

But the demand for a Central Bank was still insistent The Federation of Indian Chambers of Commerce and the Associated Chambers of Commerce strongly recorded their views in their 1928 sessions in favour of a Central Bank The Government accepted the concensus of public opinion and Sir George Schuster in a general statement in February, 1929 opined for a thorough going investigation into present banking conditions in India as a preliminary sine qua non to the reval of any scheme of a Central Bank Meanwhile, however, the question was coloured with a political tinge consequential on the Government of India's Despatch (of 1929) to the Secretary of State urging that the transfer of financial responsibility to an elected Legislature could not be effected until a Reserve Bank having adequate sterling reserves was inaugurated and had successfully worked for some time The Central Banking Enquiry Committee (appointed in June 1929) submitted its Report on July, 14 1931 unanimously recommending that a Reserve Bank should be established at the earliest possible opportunity and that it should be a State Bank

London Reserve Bank Committee

The matter was throughly discussed in all sessions of the Round Table Conference, and in the Introduction of the White Paper proposals British authorities have laid down that such a Bank is a preliminary to Federation and central responsibility and that the satisfaction of certain conditions is preliminary to the setting up of the Bank These conditions are —(1) The Budget must be balanced, (2) Short term debt must be funded, (3) Adequate gold and sterling reserves are to be built, and (4) A normal export surplus should be secured The first two objects are achieved and the third and fourth conditions are more or less fulfilled But the British Government changed their mind for reasons known to themselves and declared that representative Indian opinion would be consulted before formulating any definite proposal The promise was promptly fulfilled and a committee, known as the London Reserve Bank Committee, consisting mainly of M L A's sat in London And the Schuster Bill, framed mainly on the recommendations of this Report, was introduced in the Assembly and duly passed as the Reserve Bank of India Act, 1934 (Act No 11 of 1934), which received the assent of the Governor-General on the 6th March, 1934

IMPERIAL BANK OF INDIA.

The Imperial Bank of India was established in 1921 under the Imperial Bank of India Act of 1920 by amalgamation of the three Presidency Banks, the Banks of Bengal, Bombay and Madras It is a commercial bank with private shareholders with an authorised capital of Rs 11½ crores of which half is paid up It inherited from its three predecessors certain functions as a banker's bank, which together with its increased responsibilities as Government bankers, accounted for some

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of the restrictions imposed on its business activities by its charter of 1920 and for the control exercised by the Government over the Bank Due to the enactment of the Reserve Bank of India Act and the Imperial Bank Amendment Act of 1934, the central banking functions have been transferred from the Imperial Bank to the Reserve Bank of India The Imperial Bank has been freed from the influence of the Governor General who was formerly empowered to issue instructions to it in matters vitally affecting its financial policy or the safety of the Government balance The Bank is now free to open branches anywhere outside India, including London It has greater freedom in internal business and it can do foreign exchange business and to open cash credits, to receive deposits and to borrow money outside India It ceased to be banker to Government but shall act as the sole agent of the Reserve Bank in places where there is a branch of Imperial Bank, and no branches of the Banking Dept of the Reserve Bank shall be opened at these places for a period of 20 years It shall be paid a commission on the total receipts and disbursements dealt with by it on behalf of the Reserve Bank The remuneration is partly direct and partly indirect Indirect remuneration is offered by leaving Reserve Bank Balances with it free of interest or at a very nominal rate of interest

Agreement with Reserve Bank

The agreement between the Reserve Bank of India and the Imperial Bank of India came into force on April 1, 1935, and remains in force for the term of twenty years The following are the provisions —

The Reserve Bank shall, during the subsistence of this agreement, employ the Imperial Bank as its sole agent at every place in British India where there is a branch of the Imperial Bank which was in existence at the date on which this agreement came into force

The Reserve Bank shall not maintain a balance with the Imperial Bank for the management of the accounts of the Governor-General-in-Council, but all sums due to or from the Governor-General-in-Council in the management of the aforesaid accounts shall be adjusted by the Imperial Bank by book transfer with the balances which it holds with the Reserve Bank at such place or places at which there is a branch of the banking department of the Reserve Bank

With the exception of functions relating to the management of the Public Debt Department, the Reserve Bank shall pay to the Imperial Bank as remuneration a sum which shall be, for the first ten years during which this agreement is in force a commission calculated at one-sixteenth of one per cent on the first 250 crores and one-thirty-second of one per cent on the remainder of the total of the receipts and disbursements dealt with annually on account of Government by the Imperial Bank on behalf of the Reserve Bank

At the close of the said ten years the remuneration to be paid by the Reserve Bank to the Imperial Bank for the performance of these functions shall be revised and the remuneration for the ensuing five years shall be determined on the basis of the actual cost to the Imperial Bank, as ascertained by expert accounting investigation, of performing the said functions The remuneration so determined shall thereafter be subject to revision in like manner at the end of each period of five years so long as this agreement remains in force The amount of the said remuneration shall be arrived at by discussion in advance between the Reserve Bank and the Imperial Bank, so that the new arrangements may come into force at the beginning of each such period

If any dispute arises between the Reserve Bank and the Imperial Bank as to the amount of the said remuneration, the matter shall be

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referred for final decision to the Governor-General-in-Council, who may, for the purpose of arriving at such decision, require from the Imperial Bank such information and may order such accounting investigation as he thinks fit

The Imperial Bank shall maintain branches not less in number than those existing at the time this agreement comes into force and in consideration thereof the Reserve Bank shall, until the expiry of 15 years from the coming into force of this agreement, make to the Imperial Bank the following payments, namely, (1) during the first five years of this agreement—Rs 9 lakhs per annum, (2) during the next five years of the agreement—Rs 6 lakhs per annum, and (3) during the next five years of the agreement—Rs 4 lakhs per annum

The Imperial Bank shall not without the approval of the Reserve Bank open any branch in substitution for a branch existing at the time this agreement comes into force

The Imperial Bank shall be at liberty, for the purpose of the transfer of its funds from any of its local head offices or branches in India to any other or such offices or branches to make payments into and withdrawals from its account with any office or branch of the banking department of the Reserve Bank

The Imperial Bank shall give to all banks included in the Second Schedule of the Act such facilities for remittances as may be prescribed from time to time by the Reserve Bank and shall also, as far as possible give the public every facility for the transfer of money at rates not exceeding such rates as the Reserve Bank may by special or general direction approve

If in the opinion of the Reserve Bank, the Imperial Bank has failed either to fulfil the conditions of this agreement or to maintain a sound financial position or has wilfully disregarded or failed to comply with the provisions, the Reserve Bank shall be entitled to make a recommendation to the Governor-General-in-Council, and the Governor-General-in-Council, after making such further inquiry as he thinks fit, may issue instructions to the Imperial Bank In the event of the Imperial Bank disregarding such instructions, he may by notification in the **Gazette of India** declare this agreement to be terminated

According to the agreement between the Secretary of State and the Reserve Bank, the formershall employ the bank as the sole banker in India of the Governor-General-in-Council, who shall deposit or cause to be deposited with the bank or allow the bank to receive and hold as banker the whole of his cash balances at any places at which for the time being the bank shall have an office The bank shall make moneys at the said offices, branches and agencies available for transfer to such places and at such times as the Governor-General-in-Council may direct No interest shall be payable to the Governor-General-in-Council on any of the moneys for the time being held by the bank

The net effect of the Amendment Act would be that the Imperial Bank would cease to be a class by itself and join the rank of big commercial banks, functioning on private initiative and enterprise Though the scope of business of the Bank is increased, some of the restrictions on the operations of the Bank imposed by the Act of 1920 will be continued due to the fact that the Bank will continue to occupy a special position as the Sole agent of the Reserve Bank

Capital, Reserves, Deposits, & Cash Balances.

The table below summarises the capital, reserves, deposits and cash balances of the three Presidency Banks regarded as one Bank up to year 1920 and of the Imperial Bank of India from 1921

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	Capital	Reserve	Public Deposits.	Private Deposits	Total Deposits.	Cash Balances
			(in lakhs of rupees).			
1913	3,75	3,73	5,89	36,48	42,37	15,38
1919	3,75	3,58	7,72	68,21	76,04	23,63
1920	3,75	3,78	9,03	78,01	87,04	26,03
1921	5,62	4,14	6,80	65,78	72,58	13,60
1922	5,62	4,33	14,16	57,01	71,16	15,07
1923	5,62	4,55	8,57	74,20	82,76	15,01
1924	5,62	4,80	7,50	76,71	84,21	15,60
1925	5,62	4,92	5,46	77,83	83,30	17,47
1926	5,62	5,09	6,45	73,90	80,35	20,90
1927	5,62	5,24	7,20	72,07	79,27	10,89
1928	5,62	5,39	7,95	71,30	79,25	10,58
1929	5,62	5,48	7,60	71,64	79,24	14,00
1930	5,62	5,53	7,37	76,60	83,97	13,04
1931	5,62	5,14	8,32	63,86	72,18	11,04
1932	5,62	5,43	7,07	68,36	75,43	20,97
1933	5,62	5,20	7,08	73,83	80,91	18,62
1934	5,62	5,27	6,49	73,81	80,30	19,88
1935	5,62	5,42	10,90	80,69	91,59	23,41

BANK RATE AND DIVIDEND.

The bank rate of interest during 1935-36 opened at 3½ per cent but went down to 3 per cent. in November 1935 which rate of interest continues till now. The rate varied from 8 to 5 per cent. during 1929-30; 7 to 6 per cent. during 1930-31; 8 to 6 per cent. during 1931-32; and 7 to 3½ per cent. during 1932-33 but remained steady at 3½ per cent. during 1933-34 and 1934-35.

The Bank made a profit of Rs 36,65,900 during the half-year ended December 31, 1935. The directors have declared a dividend of 12 per cent. per annum, free of income tax.

EXCHANGE BANKS.

The exchange banks are non-Indian with head-offices outside India. Two are concerned mainly with tourist traffic while the principal business of the other banks is the financing of India's foreign trade. This work of financing India's foreign trade usually consists of two operations, viz. (1) the financing of the movement of goods from Indian ports to foreign ports and vice versa, and (2) the financing of it from, or to, Indian ports to, or from, the distributing or collecting centres in the interior of India. Besides financing foreign trade, the exchange banks do every kind of banking business. They compete with the Imperial Bank and the Indian joint-stock banks by receiving deposits both on current and savings bank account, receiving fixed deposits, purchasing bills in foreign currencies, making loans against shipping and other documents, and financing imports of bullion. They also play some part in the financing of the inland trade in several up-country centres. The piecegoods trade in Delhi and Amritsar, the leather trade in Cawnpur and the jute trade in Bengal are financed by them to a large extent. The terms for the deposits of these banks are, as a rule, higher than those of the Imperial Bank of India but lower than those of the Indian Joint-Stock banks. While the Imperial Bank of India does not allow interest on current accounts the exchange banks generally allow 2 per cent. in daily balances exceeding a minimum limit up to Rs. 1 lakh. The exchange banks do not publish any statements relating to their Indian business separately. The table below gives such figures as are available:—

Vegetable Oil Industry. An up-to-date manual on oil milling & refining. Price Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Capital & Reserve, Deposits & Cash Balances.

	No of Banks	Capital & Reserves (in million £)	Deposits in India (in lakhs of rupees)	Cash Balance in India (in lakhs of rupees)
1913	12	38	31 04	—
1919	11	53	74 36	29 98
1920	15	90	74 81	25 18
1921	17	112	75 20	23 57
1922	18	112	73 38	16 18
1923	18	140	68 44	14 48
1924	18	130	70 63	16 00
1925	18	138	70 55	10 00
1926	18	148	71 54	10 80
1927	18	181	68 86	8 13
1928	18	188	71 14	8 05
1929	18	228	66 66	9 05
1930	18	194	68 11	7 71
1931	17	186	67 47	8 81
1932	18	174	73 07	9 60
1933	18	143	70 78	6 72

JOINT STOCK BANKS

An important system of banking consists of the Indian Joint Stock Banks In 1933 there were 84 banks of this class with about 600 branches scattered throughout the country Their aggregate paid up capital and reserves amounted to Rs 13 55 lakhs their deposits to Rs 70 32 lakhs and their cash balances to Rs 11,71 lakhs

Of them 11 namely the Central Bank of India the Allahabad Bank the Bank of India (Bombay) the Punjab National Bank the Bank of Baroda the Peoples Bank of Northern India, the Bank of Mysore the Indian Bank (Madras and the Punjab and Sind Banks, Bank of Chettinad, Madras and Punjab Co operative Bank (Amritsar) had deposits of Rs 1 crore and over The deposits of the first five exceeded Rs 5 crores in each case

All the Indian joint stock banks are registered under the Indian Companies Act The main business of these banks is to attract deposits current fixed and savings, and to finance trade by giving short term advances against easily realisable securities opening cash credits and discounting inland bills of exchange They also finance the movement of produce from the village to the exporting port and distribution of imports from the port of entry to the distributing centres Advances are made against hypothecation of agricultural products such as grain and cotton against security of piecegoods and stocks in trade The business of these banks so far as the agriculturists are concerned usually confined to the larger land holders, the planting community and others who possess tangible and marketable security The smaller banks are generally loan offices which advance money to the professional and agricultural classes One or two Indian joint stock banks undertake business in foreign exchange, but their turnover in this is small

The first joint stock bank in India was started in 1770 but purely Indian joint stock bank did not come into existence until the year 1881 The early joint stock banks were all under European control and management but during the past twenty years many Indian joint stock banks have sprung into existence, assisted by the Swadeshi Movement of 1905 and by the high tide of economic revival which swept over the country during the post-war period In 1905 there were only 9 Indian

Vegetable Oil Industry. An up-to-date manual on oil milling & refining. Price Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

joint stock banks (each with capital not less than Rs. 5 lakhs) commanding a total deposit of about Rs. 12 crores. To-day the number has risen to 84 and the deposits to about Rs. 76½ crores.

Nevertheless the scope of expansion of Indian joint stock banking is immense. In 1933 India had only 800 banking offices as against 25,000 in the U. S. A., 13,100 in Great Britain and Ireland, 4,400 in France, 3,100 in Germany and 1,200 in Belgium. In consideration of the fact that there are 2,500 towns in India, there is use for more branches of existing banks as well as for new local banks. Again the distribution of banks at present seems to be uneven. Banking offices are fairly distributed in the Punjab, the U. P. and the three Presidencies but banking facilities were inadequate in other parts of India, especially Bihar and Orissa, C. P., Assam and most of the Indian State.

The position of the Joint Stock Banks during the last few years is shown by the following table —

	No of Banks	Capital & Reserves	Total Deposits	Cash Balances.
		(in lakhs of rupees)		
1913	41	4,14	24,10	4,25
1919	47	8,38	61,28	12,71
1920	58	11,74	73,48	16,73
1921	65	13,40	80,16	16,10
1922	68	11,75	65,02	12,60
1923	69	10,85	47,69	1,98
1924	70	11,79	55,20	11,65
1925	74	11,78	57,91	10,78
1926	75	12,10	63,15	9,49
1927	77	12,30	64,30	8,22
1928	74	12,29	66,35	8,71
1929	78	12,69	66,30	9,50
1930	84	13,22	67,52	8,19
1931	84	13,27	66,07	8,16
1932	83	13,42	76,16	10,41
1933	84	13,55	76,32	11,71

During 1933 the number of banks with capital and reserve exceeding Rs. 5 lakhs was 34. These had an aggregate capital and reserves of Rs. 12,33 lakhs and attracted deposits of Rs. 71,67 lakhs and cash balance of Rs. 10,92 lakhs.

TOTAL CAPITAL AND DEPOSITS.

The total capital and reserve and deposits of the three Presidency Banks (Imperial Bank of India since 1921), the Exchange Banks and the Indian Joint Stock Banks together during the last decade follow —

	Total Capital & Reserves	Deposits
	(in lakhs of rupees)	
1919	86,47	2,11,57
1920	1,39,56	2,35,33
1921	1,72,01	2,27,93
1922	1,71,33	2,09,56
1923	2,07,83	1,98,90
1924	1,96,17	2,10,05
1925	2,06,75	2,11,75
1926	2,20,16	2,15,04
1927	2,64,39	2,12,43
1928	2,73,87	2,16,74
1929	3,27,29	2,12,20

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	Total Capital & Reserves	Deposits
	(in lakhs of Rs)	
1930	2,82,52	2,19,60
1931	2,71,99	2,05,72
1932	2,56,27	2,24,66
1933	2,15,44	2,27,67

A remarkable fact indicating the need of more banks in India is the steady growth of deposits in the existing banks The total deposits in all banks in this country increased from Rs. 210 crores in 1924 to Rs 217 crores in 1928 but received a setback in 1929 and dropped to Rs. 212 crores. In 1933 the deposits increased to Rs 2,28 crores In this year the respective shares in the total deposits were as follows the Imperial Bank 35 per cent, the Exchange Banks 31 per cent and the Indian Joint Stock Banks 34 per cent In the case of the Exchange Banks, the figures refer to their deposits only in India

Cash balances at the end of 1933 were 25 per cent of liabilities on deposits in the case of the Imperial Bank, 28 per cent in the case of Exchange Banks and 15 per cent in the case of Joint Stock Banks with capital and reserves exceeding Rs 5 lakhs and 17 per cent in the case of those with smaller capital.

TOTAL PRIVATE DEPOSITS

A comparative table showing the private deposits received by the Exchange Banks, Imperial Bank of India and Joint Stock Banks follows —

	Exchange Banks	Imperial Bank.	Joint Stock Banks	Total
		(in lakhs of rupees)		
1913	31,04	36,49	24,10	91,36
1919	74,36	68,21	62,27	2,63,84
1920	74,80	78,02	73,48	2,26,30
1921	75,20	65,78	80,16	2,21,14
1922	73,38	57,01	65,02	1,95,41
1923	68,44	74,20	47,69	1,98,90
1924	70,63	76,71	55,16	2,10,05
1925	70,55	77,83	57,91	2,11,75
1926	71,54	73,90	63,15	2,15,94
1927	68,86	72,07	64,30	2,12,43
1928	71,14	71,30	66,35	2,16,74
1929	66,66	71,64	66,30	2,12,20
1930	68,11	76,60	67,52	2,19,61
1931	67,47	63,86	66,07	2,05,72
1932	73,07	68,36	76,16	2,24,66
1933	70,78	74,13	76,32	2,27,67

CO-OPERATIVE BANKS.

Co-operative banks are established under the Co-operative Societies Acts They consist of the provincial banks at the apex, the central banks which are affiliated to the provincial bank, and the primary societies which are mostly affiliated to the central banks Under the Acts and the rules of the Co-operative Department, the co-operative banks and societies are debarred, except with the general or special sanction of the Registrar, from lending to any one who is not a member of the institution. Most of the primary societies are agricultural and their main function is to supply credit to the agriculturist The provincial banks assist the central banks by advancing funds for use as part

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of their working capital and also by the grant of ordinary and special cash credits to enable the provincial banks to work on a low level of till money. The provincial banks obtain their finance mainly from deposits from the public; but central banks and primary societies also contribute to the resources of the provincial bank in the shape of share capital and deposits of their surplus funds. The provincial banks have also arrangements for cash on credits and overdrafts with the Imperial Bank

The primary function of the central banks is to supply the working capital needed by their affiliated primary societies. They obtain their finance partly from the apex provincial bank and partly from the deposits by the public. The majority of shares in central banks are held by affiliated societies. The primary societies maintain a register of assets and liabilities of each individual member and a copy of this is kept by the Central Bank.

There are also non-agricultural societies both with limited and unlimited liability which cater to the needs of a great variety of persons including officers of Government, employees of industrial companies, contractors, small traders, fishermen, weavers, artisans and others. Prominent among the societies from the point of view of banking are co-operative urban banks. These are generally institutions with limited liability, drawing their funds largely from deposits and financing the small trader and the small industrialist

Co-operative credit shows gradual development during the last few years, but the greatest defect it suffers from is that it is unable to afford long-term loans. The table below shows the position of co-operative banks in India:—

	Number.	Reserves. Capital &	Deposits.	Outstanding. Loans	Balances. Cash
			(In lakhs of rupees)		
1919-20	31	78	3,60	——	11
1920-21	41	1,06	4,78	5,09	16
1921-22	51	1,34	6,46	6,38	39
1922-23	68	1,75	8,43	7,76	63
1923-24	80	2,35	10,02	9,77	63
1924-25	101	2,39	12,55	11,36	60
1925-26	114	2,93	14,67	13,26	89
1926-27	131	3,37	18,98	16 46	86
1927-28	141	3,97	22,00	18,62	1,48
1928-29	158	4,40	23,88	19.01	1,49
1929-30	179	5,13	27,03	23,05	1,52
1930-31	196	5,81	30,10	24.37	1,52
1931-32	204	6,25	36,82	23,86	1,89
1932-33	216	7,01	37,02	23,32	3,54
1933-34	223	7,10	30,61	23,18	2,75

LAND MORTGAGE BANKS.

The constitution of land mortgage banks has been the subject of thorough examination and almost unanimous agreement by the conference of Registrars of Co-operative Societies in India in 1926 and in 1928, by the Royal Commission on Agriculture in India in 1928 and by the Banking Inquiry Committee in 1930. The Banking Committee recommended that land mortgage banks based on co-operative principles are desirable in many parts of India and that no transactions should be undertaken which is not economically profitable to the borrower. The principal objects of these banks should be the redemption of the land and houses of the agriculturists and liquidation of old debts; the im-

Common Faults and Errors: A guide to writers and speakers in English Price As. 4. Industry Book Dept., Shambazar, Calcutta.

provement of land and of methods of cultivation and the building of houses of agriculturists and purchase of land in special cases.

Land Mortgage banks have been started under the auspices of the co-operative movement in the Punjab, Madras, Bombay, Bengal and Assam but they are not sufficiently large in number or in size to meet fully the requirements of the Indian agriculturists for long terms credit, for the redemption of mortgages of land, for the clearance of debts and for land improvement. The existing institutions are 68 in number and enjoy a membership of 14,142. The capital reserve of these banks amounts to Rs. 6½ lakhs while the deposits and loans total Rs 20 lakhs each.

LOAN OFFICES, NIDHIS AND CHIT FUNDS.

Loan Offices in Bengal and Nidhis and Chit Funds in Madras occupy an intermediate position between indigenous bankers and modern joint-stock banks. The first loan office in Bengal was established in 1865. These loan offices were originally started along the lines of land mortgage banking to amelorate the conditions of the agriculturists. These companies are registered under Indian Companies Act and their number has almost doubled since 1927 and now stands at about 1,000. Their paid-up capital is generally small and only a few of them (13) have a paid-up capital of Rs. 1 lakh or more. The total working funds with Bengal loan offices on March 31, 1929 were estimated at about Rs 9 crores. The reserve funds are also not high. They mostly depend upon the deposits from the middle class people and do not issue debentures. Their main business is to lend money to Zamindars and their tenant cultivators against mortgage of land, pledge of ornaments or personal security. They seldom finance trade and industry. But some of them have trading departments. They usually charge 12 per cent for secured loans and higher rates on unsecured ones. The interest they allow to their depositors range from 4 to 8 per cent.

Nidhis in the Madras Presidency originally started as loan societies now number about 228 of which 5 are registered as banks. Their total paid up capital is about Rs 2½ crores and deposits and reserve funds about Rs 1½ crores. Funds are generally obtained in withdrawable share capital paid in monthly instalments. The Nidhis lend even to outsiders when funds permit at about 6½ per cent but charge high rates on overdue amounts.

Chit Funds which are several thousands in number function in the Madras Presidency to promote savings and to lend money to members.

RESERVE BANK'S FIRST REPORT.

The accounts of the Reserve Bank of India issued by the Central Board of Directors for the period 1st April—31st December 1935 shows that after payment of expenses of administration, and provision for sundry liabilities and contingencies, the net profit amounts to Rs. 56,05,744. Of this amount, the sum of Rs. 13,12,500 was utilised for payment to shareholders of a dividend at the rate of Rs. 3½ per cent. per annum, being the cumulative rate fixed by the Governor General in Council in accordance with Section 47 of the Reserve Bank of India Act, 1934, leaving a surplus of Rs. 42,93,244 for payment to the Governor General in Council in accordance with the said section.

The Bank took over the control of the Issue Department from Government and the management of Public Debt and Government accounts from the Imperial Bank of India on the 1st of April 1935. It was however, not till the 4th of July 1935 that the Bank assumed

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one of its most important functions as a Central Bank by announcing the first official Bank Rate of the country The next step was to establish contact officially with the scheduled banks This was accomplished on the 5th of July 1935, the date on which the scheduled banks lodged their statutory deposits with the Bank in accordance with the provisions of section 42 of the Reserve Bank of India Act

Flotation.

Much spade work had to be done before the Bank could be officially inaugurated on the 1st of April 1935 With a view to giving all interested an opportunity to apply, arrangements for receiving applications were made at 574 different stations spread throughout the country During the three days—22nd to 25th March 1935—fixed for the purpose, 134,558 applications were received While the number of applications in the Calcutta (Eastern) and Rangoon (Burma) areas fell short of the statutory quota allotted to these two areas, they were considerably in excess in the Bombay (Western), Delhi (Northern) and Madras (Southern) areas, and the issue as a whole was oversubscribed to the extent of nearly 5 crores This involved a drawing for the purpose of allotment of shares as stipulated in section 4(6) of the Act Extensive and systematic arrangements were necessary to ensure accuracy and expedition in the scrutiny and checking of applications and at subsequent stages, viz, drawing of lots and refunding the money without undue delay to unsuccessful applicants The whole process was completed within 10 days

Share certificates which remained undelivered on the 31st of December 1935 are now retained at the various local offices of the Bank and shareholders who have not hitherto taken delivery of their scrip have been notified to apply to the local offices concerned

Preliminary Work

In addition to the work connected with the issue of shares, a great deal of time and labour had to be devoted to other work of a preliminary nature, such as arrangements for suitable premises for the Central and branch offices of the Bank negotiating and completing arrangements for transfer of staff from the Currency Department and the Imperial Bank of India, and preparation and conclusion of agreements with the Government of India and the Local Governments for the management of Public Debt and Government accounts,

Agricultural Credit Department

Section 54 of the Act imposed on the Bank the obligation to create a special Agricultural Department Mr M L Darling, C I E, I C S, who was deputed to investigate into the working and present state of the Co-operative Banks and Credit Societies ,and the part which indigenous bankers play in rural economy of the country, completed his report in May 1935 The Report and the Note containing proposals for the constitution of the Agricultural Credit Department were received by the Bank about the end of June 1935 and were examined by the Executive of the Bank and subsequently considered by the Central Board in November 1935, and it was decided to request the Local Governments through the Government of India to collect and furnish to the Bank further particulars about Co-operative Banks, Credit Societies, and other agencies—e g, indigenous bankers and money-lenders—engaged in the business of Agricultural Credit The Bank will proceed to formulate its proposals when this further informatoin is available

Balance Sheet

The balance-sheet of the Reserve Bank as on 31st December 1935, was as under —

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ISSUE DEPARTMENT

Liabilities.	Rs.	Assets.	Rs.
Notes held in the Banking Dept	21,48,68,747	A. Gold Coin and Bullion :—	
Notes in circulation	171,78,39,318	(a) Held in India	41,55,19,156
Total notes issued	193,27,08,066	(b) Held outside India	2,86,97,782
		Sterling Securities	66,18,83,085
		Total of A	110,61,00,023
		B. Rupee Coins	57,11,64,232
		Government of India Rupee Securities	25,54,43,811
		Internal Bills of Exchange and other commercial paper	Nil.
Total Liabilities	193,27,08,066	Total Assets	193,27,08,066

Ratio of Total of A to Liabilities: 57·231 per cent.

BANKING DEPARTMENT.

Liabilities	Rs.	Assets.	Rs.
Capital paid up	5,00,00,000	Notes	21,48,68,748
Reserve Fund	5,00,00,000	Rupee Coin	4,45,633
Deposits—		Subsidiary Coin	4,28,667
(a) Government	6,04,51,054	Bills Discounted—	
(b) Banks	28,34,23,269	(a) Internal	Nil
(c) Others	26,49,598	(b) External	Nil
Bills Payable	11,29,498	(c) Government of India Treasury Bills	Nil
Other liabilities	70,83,088	Balances held abroad*	17,38,77,970
	Rs. 45,47,31,507	Loans and Advances to the Government	1,00,00,000
		Other Loans and Advances	Nil
		Investments	5,29,24,719
		Other Assets	21,85,770
		Rs.	45,47,31,507

* Includes Cash and Short-term Securities.

On the Banking Department Side.

The Capital of Rupees five crores (with the exception of Rs. 2,20,000 which was allotted to Government in compliance with Section 4 (8) of the Act was subscribed for by members of the public.

The Reserve Fund of Rupees five crores was provided by Government in the form of Government Rupee Securities in accordance with Sction 46 of the Act.

Deposits—(a) Government. Section 20 of the Act makes it obligatory for the Bank to transact the banking operations of the Government

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of India, and Section 21 confers on the Bank the right to carry out such operations on such conditions as may be agreed upon.

The terms on which the Government business shall be transacted are set forth in an Agreement dated the 5th day of April 1935 between the Secretary of State for India in Council and the Reserve Bank of India. The Government Account was transferred to the Reserve Bank of India from the Imperial Bank of India with effect from the 1st April 1935.

(b) Banks. Section 42 (1) of the Act requires every bank included in the Second Schedule to maintain with the Bank a balance of not less than five per cent. of the demand liabilities and two per cent. of the time liabilities of such bank in India. This requirement has been duly fulfilled. In addition, certain banks which are not eligible for inclusion in the Second Schedule have lodged deposits under this head.

(c) Others. All other deposits come under this heading.

Bills payable. The various forms of bills drawn by the Bank upon other offices of the Bank mainly comprise this heading.

Other liabilities includes various amounts held in suspense, principally transactions in transit between Branches.

Turning to the Assets side of the Balance Sheet, the first items are **Notes, Rupee coin and Subsidiary** coin the total of which represents the cash resources of the Bank.

Balances held abroad includes Cash and Short Term Securities held on the Bank's account by the Bank of England. For the purpose of converting the value of sterling assets into rupees, the rate of exchange has been taken as one shilling and six pence to the rupee. In terms of Section 17 (7) of the Act, all Short Term Securities will mature within ten years from the date of their purchase

Loans and Advances to the Government represents a Ways and Means Advance to Government

Investments consist entirely of Government of India Rupee Securities, and include those delivered to the Bank in respect of the Reserve Fund.

Other Assets comprise furniture, fittings and stationery, as well as certain items in course of collection.

On the Issue Department side.

Notes held in the Banking Department agree with the Notes shown on the Assets side of the Banking Department statement, which form part of the cash resources of the Bank.

Notes in circulation includes those held by the other banks in addition to those in the hands of the general public.

On the Assets side of the account.

A. **Gold Coin and Bullion:**

(a) **Held in India** consists of bar gold and coin held at the Government Mints and at the branches of the Issue Department.

(b) **Held outside India** consists of bar gold and sovereigns held by the Bank of England on our behalf, valued in terms of Section 33 (4) of the Act.

B. **Sterling Securities,** as required by sub-clause (c) of clause 6 of Section 33 of the Act, consist of Government securities of the United Kingdom maturing within five years.

C. **Rupee Coin** is whole rupees held at offices and branches of the Bank at its agencies, valued at face value.

D. **Government of India Rupee Securities** have been valued in terms of clause 4 of Section 33 of the Act.

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INSURANCE IN INDIA.

THOUGH the principles of insurance were tried and verified as early as in the seventeenth century in various forms, it was not before the nineteenth century that these met their first application in India. Illiteracy among the common people added to their habitual timidity to hazard on a new line of action acted as a great handicap upon the progress of the insurance business in India while the newness of the line and want of confidence in the new companies formed also caused a restriction on the trade not to a little extent, so that after a century of working we have to admit that insurance business is still in its infancy in India.

While in the United States of America the total outstanding insurance reached the high figure of $98,561,911,630 at the end of 1934, the total business in force in favour of insurance in India amounted to only Rs 193 crores Life insurance in force in the United States represented 69 6 per cent of life insurance in force throughout the world, the United Kingdom following the United States with 8 1 per cent of the world total, and Canada holding the third place with 4 8 per cent India does not present any comparable record at all Insurance per capita in India as compared with that of the chief foreign countries follows — U S A Rs 2,300, Canada Rs. 1,300, Great Britain Rs 7,00; New-Zealand Rs 1,100, Austria Rs 900, Japan Rs 700, Norway Rs 450, Sweden Rs 420, Netherland Rs 390, Denmark Rs. 300, India Rs. 5 5

But the progress though slow has been steady and the spade work done by the companies has been able to awaken a class consciousness on the essential necessities of insurance and the manifold benefits it confers The first period of every innovation is often very trying and it was so in the case of Indian insurance but with the dawning of the twentieth century the progress has been livelier as the gradual expansion of the companies clearly exhibits.

The Indian insurance companies that dominate the field now are conducted most efficiently and their accumulated funds and solvent position fully justify Indian support more and more Entering the field where powerful foreign companies had once enjoyed a practical monopoly, they proved their mettle by working their way to steady growth against vigorous competition and disadvantages They have to this date to work against numerous obstacles, the chief amongst which is that imposed by foreign bankers who are very reluctant to accept the policies from Indian insurance companies in the matter of extending credits. They have still to secure the active support of the Indian business houses who will continue their transactions with foreign houses on the ground that they cannot give up their long standing connections. These disadvantages are only passing phases and with the gradual expansion of insurance business, for which scope in India is now unlimited by propaganda work, there is no doubt that Indian insurance companies will develop into a power in the land.

HISTORY OF INDIAN INSURANCE.

The history of the growth of insurance in India makes interesting reading. Provision for widows, left destitute after the death of their husbands, met the first consideration. The oldest of the existing Indian

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companies which were established nearly a century ago in Madras and the United Provinces were thus meant for the benefit of widows. Of them the only one now existing is the Bombay Widows' Pension Fund established in 1876 which seems to have been the first widows' fund to admit Hindus.

Life Assurance next attracted the attention. The first Indian Company to issue ordinary life assurance policies was The Madras Equitable. Being founded by Messrs. Arbuthnot & Co., of Madras in the year 1829, this company worked successfully for many years and accumulated funds of about a quarter of a crore but went into liquidation shortly after the termination of the war owing to the heavy depreciation of its investment at that time and to the decrease in its income on account of its having stopped the issue of new policies a few years previously. By the disappearance of this old mutual company the Bombay Mutual, which was founded in 1871, is now the oldest Indian mutual life assurance company.

The Oriental of Bombay, which was founded in 1874 is the oldest Indian proprietary company transacting ordinary life assurance business and has accumulated funds exceeding 15 crores. The next three oldest are the Indian Life of Karachi, the Empire of India of Bombay and the Bharat of Lahore which were established between 1892 and 1896. In Madras the oldest proprietary company is the United India which was established in 1906 and which had the advantage of following the lead of the Madras Equitable and other economically managed Southern Indian mutual concerns in much the same way as many of the companies in Western India profited by the excellent lead of the Oriental. In Bengal proprietary companies were first started in 1906 during the days of Swadeshi Movement. Several of the companies established in that Presidency at about that period succumbed to the temptation to pay too heavily for new business or adopted other unsound methods of conducting their affairs with the inevitable result that nearly half of them had to go into liquidation in a few years of their existence.

It is refreshing that the companies that survived profited by the hard won experiences of their less fortunate rivals that were forced to leave the field. They have considerably remodelled their institutions and there are now lots of Indian insurance companies which are as much efficiently and scientifically managed as the best European or Colonial ones.

INSURANCE BUSINESS IN INDIA.

It appears from the Insurance Year Book for the year 1934 that 28 Indian companies were established during the year 1933 with the object of transacting life assurance business. Of these new companies, 8 were established in the Bombay Presidency, 6 in Madras, 4 each in Bengal, U. P. and Punjab and one each in the C. P. and N.-W. F. P.

The number of companies which come during 1933 under the provisions of the Indian Life Assurance Companies Act of 1912 and the Indian Insurance Companies Act of 1928 are 341. Of them 194 companies are constituted in India and 147 companies are constituted outside India.

Most of the Indian Companies carry on life assurance only. As many as 145 of Indian companies, carry on life assurance business only; and of the remaining 49 Indian companies, 34 carry on life business along with other insurance business and 15 carry on insurance business other than life. The companies are distributed all over India, Bombay

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Presidency claiming 74, Bengal 36, Madras Presidency 31, Punjab 22, Delhi 9, United Provinces 7, Central Provinces 4, Ajmer 3, Bihar and Orissa 5, Burma 1 and Assam 1 and North West Frontier Province 1. With the exception of the few oldest companies which have been transacting business for over 25 years, a large number of companies of over 10 years' standing have not yet been able to pay any dividend. On the other hand due to advent of new companies and competition among themselves the expense ratio has mounted up.

The majority of the non-Indian companies carries on insurance business other than life. Out of the total number of 147 non-Indian companies, 123 carry on insurance business other than life, 11 carry on life business only and 13 carry on life business along with other insurance business. The companies are incorporated in all parts of the world, 70 being registered in the United Kingdom, 30 in the British Dominions and Colonies, 17 in the Continent of Europe, 16 in the United States of America, 9 in Japan and 5 in Java.

The table showing the proportion of Indian and non-Indian companies follows:—

	Indian Companies.	Non-Indian Companies.	Total.
1928	97	148	245
1929	108	149	257
1930	130	147	277
1931	136	146	282
1932	169	150	319
1933	194	147	341

LIFE ASSURANCE BUSINESS.

Life assurance companies, of course, have been established in this country for quite a long time. Following the world progress in the insurance business, the development of the life insurance companies during the last few years in India has been remarkable. The following table shows the new business effected by Indian companies since 1920 in each year and their total business in force at the end of 1933.

Year	New Business Effected	Total Business in Force.
	(Figures in rupees)	
1920	5,17 lakhs	31 crores
1921	5,47 "	34
1922	5,64	37
1923	5,85	39
1924	6,89	42
1925	8,15	47
1926	10,35	53
1927	12,77	60
1928	15,41	71
1929	17,29	82
1930	16,50	89
1931	17,76	98
1932	19,66	1,06
1933	24,83	1,19

The total new life assurance business effected in India by the Indian and non-Indian companies in the year 1930, 1931, 1932 and 1933 and that remaining in force at the end of the years 1930, 1931, 1932 and 1933 are shown separately in the table:—

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NEW BUSINESS.

Indian Companies.	1930	1931	1932	1933
No. of Policies	106,000	97,000	113,000	155,000
New Sums Assured (in crores of rupees)	15.68	17·76	19·66	24·09
Premium Income (in lakhs of rupees)	86		1,06	1,25
Non-Indian Companies				
No. of Policies	40,000	28,000	26,000	28,463
New Sums Assured (in crores of rupees)	11·76	8·91	8·00	8·90
Premium Income (in lakhs of rupees)		52	46	49
Total				
No. of Policies	145,000	125,000	139,000	183,000
New Sums Assured (in crores of rupees)	27·44	26·66	27·66	32·99
Premium Income (in lakhs of rupees)		1,40	1,50	1,74

TOTAL BUSINESS IN FORCE.

Indian Companies	1930	1931	1932	1933
No. of Policies	514,000	502,000	554,000	636,000
New Sums Assured (in crores of rupees)	85	94	1,02	1,14
Premium Income (in lakhs of rupees)	4,09	4,50	4,75	5,30
Non-Indian Companies.				
No. of Policies	203,000	212,000	220,000	231,000
News Sums Assured (in crores of rupees)	68	74	76	79
Premium Income (in lakhs of rupees)	3,87	4,90	4,25	4,33
Total				
No. of Policies	717,000	714,000	774,000	867,000
Total Sums Assured (in crores of rupees)	154	168	178	193
Premium Income (in lakhs of rupees)	8,00	8,50	9,00	9,63

The net income of the Indian companies under their life assurance business from premium and interests amounted to 815 lakhs in 1933 as against Rs. 6,88 lakhs in 1932, Rs. 5,87 lakhs in 1931 and Rs. 5,40 lakhs in 1930. This was in excess of 1 crore and 27 lakhs over the corresponding income of the previous year. During 1933 claims amounted to Rs. 2,22 lakhs. Claims by death and survivance amounted to Rs. 114 lakhs and 108 lakhs, respectively.

The share of the British companies in respect of the new sums assured during 1933 was 3½ crores, of the Dominion and Colonial companies 5 crores, and of the single German company Rs. ½ crore.

The average sum assured under the new policies issued by Indian companies is Rs. 1,555 and under those by non-Indian companies Rs. 3,126.

The life assurance funds increased by over Rs. 3½ crores during 1933 and amounted to Rs. 28¾ crores at the end of that year. The average rate of interest earned on life funds was 5¼ per cent in 1933 during 1932 was 5¼ per cent. as against 5½ per cent. realised in each of the previous two years.

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The net rates of interest realised by the Indian life offices in each of the past ten years are as follows:—

1921	5·88 p.c.	1928	5·35 p.c.
1922	5·96 p.c.	1929	5·49 p.c.
1923	6·26 p.c.	1930	5·44 p.c.
1924	5·93 p.c.	1931	5·42 p.c.
1925	5·70 p.c.	1932	5·38 p.c.
1926	5·70 p.c.	1933	5·17 p.c.
1927	5·56 p.c.		

ANNUITY BUSINESS.

A striking feature of the Indian companies is the almost negligible amount of business done by them under annuity contracts, while in the case of non-Indian companies annuity contracts constitute an appreciable portion of their total life assurance business. Even the small amount of annuity business the Indian companies were getting in the past is gradually decreasing. Evidently annuity contracts have not yet found favour with Indians in general.

The total new annuity business effected during the year 1933 was for the amount of over a lakh per annum of which the share of Indian Companies was 18,000 and of non-Indian companies 83,000. The total annuity business remaining in force at the end of that year was for the amount of nearly 5 lakhs per annum, of which the amount payable by Indian companies was Rs. 1½ lakhs per annum.

LIFE BUSINESS OUTSIDE INDIA BY INDIAN COMPANIES.

Some Indian life offices it may be noted, have extended their operations in British East Africa, Ceylon and Straits Settlements. The total new sums assured by these offices outside India during 1933 amounted to Rs. 74 lakhs as against Rs. 72 lakhs issued in the preceding year. The premium income during 1933 was Rs. 4½ lakhs. The total life assurance business including reversionary bonus additions effected outside India and remaining in force at the end of 1933 amounted to Rs. 4½ crores having a premium income of 22½ lakhs.

The following table shows in an abstract form the nature of business transacted by Indian companies outside India:—

	Premium Income.				
	Life.	Fire.	Marine.	Miscellaneous.	Total.
			(in lakhs of rupees)		
1929		60	20	3	83
1930		65	28	13	1,06
1931		55	25	16	96
1932	21½	51	23	19	93
1933	22½	56	21	16	93

FIRE, MARINE AND MISCELLANEOUS INSURANCE BUSINESS.

The insurance business other than life was until 1919 left entirely to non-Indian companies but the advent of half a dozen Indian companies was responsible for diverting a small portion of this business to the latter. The number of Indian companies has since then increased to 13 but still the major part of the business lies in the hands of the non-Indian companies as will be amply exhibited by the following table:—

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	Premium Income.			
	Fire.	Marine.	Miscellaneous.	Total.
	(in lakhs of rupees)			
Indian Companies				
1928	16·4	10·8	14·10	41·3
1929	23	11	18	52
1930	25	10	26	61
1931	28	7	24	59
1932	28½	7½	28	64
1933	30½	6¾	33¾	71
Non-Indian Companies.				
1928	1,28	43·5	41·1	2,13·5
1929	1,32	57	58	2,47
1930	1,20	41	62	2,23
1931	1,00	36	53	1.89
1932	97½	36½		1,81½
1933	97⅞	35		179½
Total.				
1928	1,44	54	56	2,55
1929	1,55	68	76	2,99
1930	1,46	51	87	2,84
1931	1,28	43	77	2,48
1932	1,26	44	75½	2,45½
1933	1,28	42	80½	2,50½

The Indian companies which transact a substantial amount of fire or marine business also operate outside India. These companies had a nett premium income of nearly a crore of rupees in 1933 from business outside India of which 56 lakhs was from fire, 21 lakhs from marine and 16 lakhs from miscellaneous insurance business.

The distribution of premium income earned by the non-Indian companies during 1933 is shown in the following table, the figures within brackets under the caption of total standing for the total during 1932.

Companies constituted in	Fire.	Marine	Miscellaneous	Total	
		(in lakhs of Rs.)			
U. K.	66½	11¾	42	120	(123½)
Dominions & Colonies	15½	18¾	4	38	(38)
U. S. A.	9	3		12	(13)
Continent of Europe	5½	1		7	(5)
Japan	1¾	½		2	(1½)
Java	½	¼			(½)
	97⅞	35	46⅞	179½	(181½)

The figures speak eloquently that the field before the Indian companies in insurance business other than life must be enormous.

TOTAL INSURANCE PREMIUM.

The net Indian premium income under all classes of insurance amounted to 12¼ crores in 1933 as compared with Rs. 11·5 crores in 1932. The share of the Indian companies in the total business during 1933 was 6·0 crores and that of the non-Indian companies Rs. 6·1 crores. The percentage of the share of the Indian companies reduces to 49·5 as against 51·5 of the non-Indian companies.

The following table compares the position of the Indian and non-Indian companies in life, fire, marine and miscellaneous insurance business.

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	Indian Companies.			Non-Indian Companies.			Total.		
	1931	1932	1933	1931	1932	1933	1931	1932	1933
				(in lakhs of rupees)					
Life	4,50	4,75	5,30	4,90	4,25	4,33	9,40	9,00	9,63
Fire	28	28½	30½	1.00	97½	35	1,28	1,26	1,28
Marine	7	7½	6¾	36	36½	35	43	44	42
Miscellaneous	24	28	33¾	53	47½	46¾	77	75½	80½
Total	5,09	5,39	6,01	6,79	6,06½	6,12	11,88	11,45½	12,13
Percentage share	42·9	47·0	49·5	57·1	53·0	51·5	100	100	100

ASSETS OF THE INSURANCE COMPANIES.

The assets of the Indian companies are provided by the following table :—

The total assets of Indian companies amount to Rs. 36¾ crores. The bulk of the assets is invested in stock exchange securities which are shown in the accounts at a nett value of a Rs. 25 crores. Mortgages, loans on policies and on stocks and shares are shown at Rs. 4¾ crores; land and house property are valued at Rs. 21 crores, deposits, cash and stamps are shown at Rs. 1½ crore; accrued interest at Rs. ½ crore; agents' balances and other outstanding items at Rs. 1¾ crore; and loans on personal security and other miscellaneous assets at Rs. 1¼ crore. Investments of Indian companies outside India consist mainly of stock exchange securities and amount to over half a crore.

The total assets in India of non-Indian companies amount to Rs. 41 crores. The bulk of this amount—Rs. 35 crores—represents the Indian assets of companies constituted in the United Kingdom and Rs. 5¾ crores those of companies constituted in the Dominions and Colonies. The Indian assets of the American companies amount to Rs. 2 lakhs, those of the Continental companies to Rs. 12 lakhs, of the Japanese to Rs. 9 lakhs and of the Javanese to Rs. 3,000. Out of this total amount of Rs. 41 crores, Rs. 30¾ crores represent Indian assets of companies which carry on life assurance business in India either solely or along with other insurance business.

PROVIDENT INSURANCE SOCIETIES.

In addition to the insurance companies which are subjected to the provisions of the two Acts of 1912 and 1928, there were in 1931, 369 societies which are registered under the Provident Insurance Societies Act, 1912 and transact mostly life assurance business. During 1929 there were only 69 societies.

The essential difference between a life assurance company and a provident insurance society is that the company is subject to the Life Act and not to the Provident Societies Act if, under assurances payable at death or on survivance of any one life, it undertakes either to pay sums which in aggregate exceed Rs. 500 or to receive premiums which in the aggregate exceed Rs. 25 in any one year where the period for which premiums are payable is not limited, or which exceed Rs. 250 altogether where such period is limited. If, as may happen in the case of a dividing society, the sum assured payable at death is not fixed but may in certain contigencies exceed Rs. 500 the society is subject to Life Assurance Companies Act.

Of the existing 369 societies, 221 are established in Bengal, 50 in the Bombay Presidency, 61 in the Madras Presidency and the remaining

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societies are scattered over the other provinces of India including one in Burma.

Of the existing societies, 74 transact ordinary life assurance business and 295 transact life assurance business either on the dividing plan or on the call system. The Government Actuary has suggested that the societies which work on the dividing plan with a minimum guarantee should be guided by acturial advice as to building up a proper reserve and may with advantage undergo acturial valuation.

The accumulated funds at the end of the year 1932 of the societies of whom particulars were available amounted to Rs. 18 lakhs while the combined income during the year was Rs. 12 lakhs. The paid-up capital of the societies having a share capital was Rs. 4 lakhs.

POST OFFICE INSURANCE FUND.

This fund was instituted by the Government of India in 1883 for the benefit of postal employees, but gradually admission to it has been thrown open to almost all classes of Government servants who are employed on civil duties. The Fund is exempted from the provisions of the Life Act.

The position of the Fund is explained by the following figures:—

	1931-32	1932-33	1933-34
New Policies effected	6,484	4,215	5,292
Total No. of policies	83,165	84,726	87,494
	Rs.	Rs.	Rs.
New sums assured	98 lakhs.	81 lakhs.	106 lakhs.
Total sum assured and bonuses	15,89 lakhs.	16,24 lakhs.	17,36 lakhs.
Total Income	81 lakhs.	84 lakhs.	88 lakhs.
Life Assurance Fund	4,91 lakhs.	5,39 lakhs.	5,94 lakhs.

The last valuation of the fund was made upto March 31, 1932. It disclosed a surplus of Rs. 74 lakhs of which Rs. 47½ lakhs were allocated to the policy holders for payment of reversionary bonus at the rate of 1½ per cent. per annum in the case of whole life as well as endowment assurances.

INSURANCE LEGISLATION.

The present insurance act of 1912, as amended by an act of 1928, is hardly adequate to meet the growing requirements of insurance companies. It is understood that a bill will shortly be introduced by the Government of India for imposing stricter control over the affairs of the assurance companies in India. The legislation aims to make effective provision for the protection of the interest of the Indian insuring public. The report of the Special Officer appointed for the purpose is now ready.

The Federation of Indian Chambers of Commerce suggests that prior to Government's formulating definite proposals for revision of the insurance law on the report of the Officer on Special Duty, it should appoint a Committee of Enquiry with adequate representation of insurance and commercial interests to examine the proposals of the Officer on Special Duty in the light of the opinion expressed by all interested parties and to formulate their own proposals for acceptance by the Government of India.

The Federation feels that a very vigilant watch is required to be kept on the operations of all companies—Indian as well as non-Indian—transacting business in the country with a view to protect the interests of the policyholders and the shareholders of the insurance companies. For that purpose, the Federation suggests that there should be a

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separate independent department of insurance in charge of a responsible Indian Officer working under the guidance of an Insurance Board composed of a majority of non-officials, under the Commerce portfolio which will not only have a constant watch on the operations of the companies but should have the requisite powers effectively to control and superintend insurance business in India The Federation regrets that India seems to be the only country where there is no insurance legislation of any kind affecting the operation of foreign insurance companies in India The foreign insurance companies working here have neither to take any license for their operations, nor have they to deposit any amount with the Government for accepting insurance in various forms, nor have they to invest any portion of their assets with a view to give security to the policyholders of the insurance companies in India against any eventuality They are not even required to file a separate return of their Indian business

The Federation indicates the general lines on which the insurance legislation should be framed with a view to protect the interests of the policyholders and shareholders of the insurance companies Every insurance company, whether Indian or non-Indian, should be asked, as a condition of commencing business, to make a certain statutory deposit with the Government of India in respect of each separate class of insurance that the company intends to transact Such deposits are called for in practically all important countries such as France, Germany, Belgium, Spain, Japan and the United States of America In the United Kingdom, a deposit of £20,000 is required for fire and accident business and a separate deposit is required for life insurance The purpose of exacting a statutory deposit from insurance companies is to discourage unsubstantial and purely speculative concerns from undertaking insurance business and it will effectively put a stop to the mushroom insurance companies which, the Federation has very regretfully to note, have come into existence in recent years in several parts of India The purpose of exacting a statutory deposit is also to prevent foreign companies from coming into India and returning after doing considerable harm to Indian companies This had happened during the last 10 years

The Federation also commends to the Government of India the suggestion that is being made by the Indian Life Assurance Offices Association that every company doing life insurance shall deposit with the Controller of Currency government securities of the market value of Rupees two lakhs in one instalment or, on the application of the insurance companies, in five annual instalments It indicates the desirability of insisting upon statutory deposits on a higher scale from non Indian insurance companies It further suggests that there should be a system of granting licence by an Insurance Board to non-Indian concerns as is prevalent in some of the important countries of the world The right of granting a licence to a non-Indian insurance company places in the hands of the Government of India a very effective measure to secure for indigenous insurance companies equal treatment at the hands of exchange banks and may have the effect of forcing foreign commercial exchanges to accept the policies issued by the Indian insurance companies in respect of the import and export trade of India

The Federation suggests to the Government that some form of protection to Indian insurance companies should also be considered In certain countries direct protection has been given to insurance business This has taken the form of Government making it compulsory on all foreign insurance companies to re-insure a certain portion of their business with indigenous companies In some countries the Government itself has created an organisation through which foreign insurance com-

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panies are asked to re-insure a definite protection, which the Government in its turn gives to indigenous insurance companies.

PROVIDENT SOCIETIES ACT.

Necessity of amending the laws relating to provident societies of India is also being felt in the country. The Council of the Indian Insurance Institute in a memorandum to the Government of India discusses the remedies for the existing ills in regard to the operation of these companies. The Council desires that these societies should not be allowed to use the word "insurance" in their names, to avoid confusion with ordinary insurance companies and that each company must have its rates of premiums and tables of insurance approved by a qualified actuary. The Council opines that no company should be allowed to carry on dividing insurance business which has been condemned by the Government Actuary as unsound. To prevent flotation of mushroom companies, it is suggested that every company should make an initial deposit of Rs. 10,000 to be increased to Rs. 50,000 with annual additions.

The Council also urges the desirability of periodical actuarial valuation for these societies, with a stipulation that its reserve funds should be set absolutely apart for liabilities of policy holders. Proposals have been also made to invest the Government with powers to collect detailed information and to publish it, in this connection. The Council has suggested that adequate facilities should be given to the existing companies so that they may be put on a sound basis.

RECENT BUSINESS FIGURES.

All India United Assurance Company, Limited.—During the year ended on the 17th. September, 1935, proposals for Rs 23,20,000 accepted and for Rs. 18,02 500 effected into policies. The income from premium Rs. 78,110 and the premium for shares Rs. 13,986.

Andhra Insurance Co. Ltd.—During 1934 2662 proposals assuring Rs. 29,52,200 were received, out of which 2067 proposals assuring Rs. 22,08,000 were accepted. Income from premiums Rs 3,67,519, claims Rs. 27,000, expenses of management Rs 1,43,628, Life Assurance fund Rs. 9,06,162, total assets Rs 10,52,730.

Aryasthan Insurance Co., Ltd.—During 1934-35, 641 proposals assuring Rs. 9,71,500 were received Of these 478 policies assuring Rs. 7,62,000 were issued. Life fund Rs. 1,104.

Ashok Insurance Co., Ltd.—During 1934 new business effected Rs 2,51,902, total business in force Rs 6,51,261, total premium Rs. 31,842, expense ratio 59 7, Life fund Rs 30,170.

Asian Assurance Co., Ltd.—During 1934, new proposals received were 5226 for total value of Rs. 82,60,725, out of which 3990 proposals resulted into policies of the total value of Rs. 61,63,920. Total business in force Rs. 2,18,05,714 with an annual premium income of Rs. 11,16,890. Rs. 2,61,470 was appropriated in claims by death and maturity. The expenses of management absorbed Rs. 4,11,340 which comes to nearly 39 % of the premium income. Life Assurance fund Rs. 34,02,333.

Bengal Insurance and Real Property Co., Ltd.—During 1934, new business effected Rs. 3,00,000; policies in force Rs. 15,36,217; life fund Rs. 4,18,938; expense ratio 34·4.

Bhagya Lakshmi Insurance Ltd.—During 11 months ending 31st March 1935, new Policies issued 540, new business completed Rs. 5,19,250, Premium income Rs. 17,864, Life fund Rs 1,501, Claims paid by death, nil. Expense ratio (first year) 91·8 per cent.

Bombay Co-operative Insurance Society Ltd.—During year ended June 30, 1935 new business effected was Rs. 10,27,500 under 1,432 policies. Total policies in force 2,514 assuring Rs. 17,78,243. Life fund Rs. 71,623.

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Bombay Life Assurance Co., Ltd.—During 1934 total new business Rs 1,04,33,750, total life insurance business in force, 20,335 policies assuring Rs 3,71,41,570, total premium income Rs 18,85,900 Expenses of management absorbed Rs 7,62,210, expense ratio over 40 % Life Assurance Fund Rs 58,02,983

Calcutta Insurance Co—During 1934, new business effected Rs. 18,09,500, total business in force Rs. 53,08,843, total premium Rs 2,79,921, expense ratio 48 9

Commonwealth Assurance Co., Ltd.—During 1934-35, new business completed over Rs 6,02,750, total premium income Rs 3,00,974-4-6p Management expenses Rs 1,40,318-15-5p Expense ratio 46 6

Concord of India Insurance Co. Ltd.—During 1934 fire fund Rs. 3,11,496, marine fund Rs 5,930, accident fund Rs 27,287, profit and l ss Rs 19,171 Total premiums collected Rs 1,88,372

Co-operative Assurance Co, Ltd.—During year ended 31st July, 1935, 540 policies assuring Rs 7,73,200 were issued, policies in force Rs 43,98,000, Life fund Rs 12,86,929-8-2p Expense ratio 24 6

East India Insurance Co., Ltd.—During the period ending 30th June 1935, new business assured Rs. 3,28,000 under 206 policies Total premium income Rs 34 073 of which Rs. 14,554 represented premium income of new life business Expenses of management Rs 15,588, expense ratio 45 % Life Assurance fund Rs 43,643

East and West Insurance Co., Ltd—During 1934, 2,331 proposal, for assuring Rs 40,27,000 were received, 1737 policies were issued assuring Rs 27,68,500 with premium income Rs 1,49 841 Total business in force Rs 86,99,095, premium income Rs 414,592 Life assurance fund Rs 8,39,723, assets Rs 11,18,304 Claims Rs 89,691

Eastern Federal Union Insurance Co., Ltd—During 1934 —Fire Dept—Net premiums Rs 3,25,951, net claims paid and outstanding Rs 1,85,959, fire insurance fund Rs 1 30,380 Marine Dept—Net premiums Rs 41,597, net losses Rs 13,359, marine insurance fund Rs 13 478 Accident Dept—Net premiums Rs 18,976, net claims Rs. 4,317, accident insurance fund Rs 7,590

Empire of India Life Assurance Co., Ltd—For the year ending 28th February, 1935, new Policies 8,511, new sums assured Rs 1,47,57,880, Premium Rs 51,64,925 Expense Ratio 22 8, Interest Rs 19,41,027, Total Assurances in force Rs 11,48,69,974, Life fund Rs 3,95,39,424 The total assets Rs 4,50,03,372, of which Government Securities and Port Trust and Municipal Debentures amounted to Rs 3,58,48,660

Forward Assurance Company Ltd.—In 1934, 250 proposals for assuring Rs 2,82,250 were received, of these 171 proposals resulted into policies for Rs 1,80,000 yielding in annual premium income of Rs 9,687 There was no claim

General Assurance Society, Limited.—During 1934, the Company received 4233 proposals for aggregate Assurance of Rs 67,28,500 and issued 3354 policies for a total amount of Rs 52,12,750 Total Life Assurances in force Rs 2,65,41,447 in respect of 16,278 policies Income from premiums and interests were respectively Rs 13,12,900 and Rs 2,31,506 Claims Rs 4,82,638, total expenses including claims Rs 11,55,780 Life Assurance Fund Rs 55,92,233 Total assets Rs 64,00,878 out of which Rs 50,42,613 was invested in gilt-edged securities

Genuine Insurance Co Ltd.—During 1934, new life business effected Rs 2,53,350 In the provident section the company's total income Rs 1,33,932 and the Reserve fund Rs. 10,906

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Guardian of India Insurance Company, Limited.—It received proposals for Rs. 37 lakhs and issued policies for Rs. 27 lakhs.

Hindu Mutual Life Assurance Ltd.—During 1934, new business Rs. 9,21,000 and the total business in force Rs. 37,54,105. Total premium income Rs. 1,74,525. Interest and other incomes Rs. 27,505. Claims by death and maturity Rs. 96,077, total expenses of management Rs. 59,660, expense ratio 34·2 %.

Hindusthan Co-operative Insurance Society, Ltd.—During 1934-35 the Society received 21,251 proposals for assuring Rs. 3,24 lakhs of which 16,871 proposals resulted into policies assuring Rs. 2,52 lakhs. Total number of policies in force was 64,683 assuring a sum of Rs. 10·64 crores, total premiums received Rs. 46·83 lakhs and interest income Rs. 9·45 lakhs. Claims by death amounted to Rs. 8·22 lakhs while matured policies took Rs. 5·31 lakhs, management expenses Rs. 16·57 lakhs, expense ratio 35·4 per cent.

India Equitable Insurance Co., Ltd.—During 1934, new business amounted to Rs. 30,14,000 and the total premium income amounted to Rs. 4,53,260. Income from interest, etc., amounted to Rs. 54,015. Claims by death and maturity Rs. 1,68,475. Expense ratio 36 %. Life Assurance Fund Rs. 20,48,965.

India Life Benefit Assurance Society Ltd.—During 1934, premium income Rs. 1,22,882; funds Rs. 2,50,364.

Indian Mercantile.—For the year ended 31st. December, 1934. Fire Dept.—Premium income (net) Rs. 1,11,612-1-5p., Fire losses paid and outstanding Rs. 33,950-0-9p., Fire Fund Rs. 2,30,000. Life Dept.—714 proposals for assurance of the total value of Rs. 13,94,000 were received out of which 666 proposals for Rs. 12,78,000 were accepted. Claims amounted to Rs. 13,630 of which Rs. 11,630 were already paid; Life Assurance Fund Rs. 5,239-4-10p., Expenses of management Rs. 54,181-1-9p. Reserve Fund Rs. 2,97,000. Total Funds (exclusive of uncalled capital) Rs. 12,39,014-0-2p.

Indian Mutual Life Association Ltd.—During 1934 policies issued 702 of the total value of Rs. 10,17,500. Total premium Rs. 1,49,267 and interest and other incomes Rs. 13,313. Claims by death, surrender and cash bonus Rs. 13,713, Management expenses Rs. 60,565, expense ratio of 40·5 %. Life fund Rs. 3,06,978.

India Provident Co., Ltd.—During the year ended 28th February, 1935, total premium income Rs. 2,39,916. Total funds exceed Rs. 11,24,000.

Industrial & Prudential Assurance Co., Ltd.—During the year 1934, the Company received 5140 proposals for Assurance of Rs. 1,00,84,250 out of which 4,332 resulted in policies assuring Rs. 78,77,700. The total number of policies in force 14,652 assuring with bonuses the sum of Rs. 3,18,33,508 out of which Rs. 7,22,583 has been re-insured. Income amounted to Rs. 16,11,739; Claims by death Rs. 3,05,129 including bonus. Endowment Assurances matured for Rs. 80,344 including bonus. Expenses of management Rs. 4,94,471. Life Assurance Fund Rs. 53,36,146. Total assets Rs. 60,97,267—out of which Rs. 51,06,827 is invested in Securities.

Jupiter General Insurance Company Ltd.—During year ended June 30, 1935.—Marine Dept.—Income Rs. 1,71,053. Life Dept.—New business Rs. 14,84,000 having premium income of Rs. 80,695. Total premium income Rs. 3,55,347. Life Fund Rs. 6,24,553. Expense ratio 34·90.

Lakshmi Insurance Company, Limited.—During the year ended 30th. April, 1935, the Company received policies for Rs. 1,20,59,725, the total assurances in force Rs. 4,24,81,629. Premium income Rs. 20,85,609. Life Assurance Fund Rs. 59,12,899.

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Metropolitan Insurance Co Ltd—For the year ended 31st March, 1935, proposals received Rs 93,15 225, proposals issued for Rs 68,96,725 Income from premiums Rs 5 76,184 Claims by death and disability Rs. 54,786 Life Assurance Fund Rs 2,77,151 Total assets Rs 4,33,688 out of which Rs 1,06,958 is invested in gilt-edged securities, expense ratio 63 per cent

Mutual Life Assurance Corporation Ltd—During 1934, new business effected Rs 1,17,000 Life assurance fund Rs. 10,510

National India Life Insurance Co. Ltd.—During 1934 3,637 new proposals to the value of Rs 57,16,800 were received Out of this 2,034 proposals assuring the sum of Rs 36,92,750 were issued Total premium income Rs 8,43,234 On the expenditures side Rs 4,99,327 represented claims by death and maturity and Rs 60,500 accounted for surrenders and bonuses Expenses of management Rs 3,25,640, expense ratio 38 6% Rs. 14 lakhs invested in giltedge securities and Rs 17,74,000 in Trust debentures

Nagpur Pioneer Insurance Co. Ltd—During 1934, 693 proposals assuring Rs 9,34,750 were received Out of these 563 policies assuring Rs 7,32,000 were issued

National Insurance Co Ltd.—During 1934 11,269 new proposals for Rs 2,18,74,445 were received Of this 8,553 proposals assuring a sum of Rs 1 69,58,280 resulted into policies Total life assurance business in force Rs 9,74,23,041 Total premium income Rs 44,20,160 On the expenditures side Rs 16,67,615 represented claims paid and outstanding and Rs 5,10 924 represented surrenders and bonuses Cost of management Rs 11,66,941, Expense ratio 26 4% Life assurance fund Rs 2,24,62,252, total assets Rs. 2,45,17,197

Neptune Assurance Company, Limited—For the year ended 31st July, 1935, the Company received 3,819 proposals for Rs 23,76,974 and issued 3002 policies assuring Rs 18,50,941, Premium income Rs 1,68,369 Claims for Rs 3,451 arose during the year Total expenses including claims and depreciation Rs 97,741 which is 50 p c of the total income Life Assurance Fund Rs 1,27,274

New India Assurance Company, Limited—For the year ended 31st March, 1935, Fire Department Premium income Rs 35,92,450 Net claims paid and outstanding Rs 16,91,369 Commission, expenses of management, etc, 44 2 p c of the premium income Reserve Rs. 22,10,000 Marine Department—Premiums Rs 19,44,794 Claims paid and outstanding Rs 16,23,324 Expense ratio 19 4 p c of the premium income Marine Fund Rs. 25,10,000 Accident Department—Premium income Rs 6,42,974 Claims paid and outstanding Rs 2,68,467 and expense ratio 37 5 p c of the premium income Life Department Company received 7,659 proposals for Rs 1,81,50,200 and issued 6,309 policies assuring Rs. 1,41,02,450 Income from premiums and interest Rs 20,52,865 Claims Rs. 2,11,083 and the expenses of management Rs 8,15,485 Life Assurance Fund Rs. 26,34,273

Northern India.—During 1933-34, 749 proposals assuring Rs. 12,01,250 were received Of them 505 proposals assuring Rs 8,03,000 were accepted Total premium income Rs 82,325-0-6p Expense ratio 41 p c Life Fund Rs. 40,286-12-0 at the end of the year as against Rs. 12,344-13-3p at the end of 1932-33.

Oriental Government Security Life Assurance Co Ltd.—During 1934, 42,378 policies assuring Rs. 7,62,42,761 were issued Annual income Rs 3,14,01, 990. Policies in force 2,59,380 assuring Rs 54,20,38,518 Claims Rs 1,02,49,954; endowment assurances matured Rs. 42,17,818-13-4p Life assurance fund Rs. 15,14,65,254

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People's Insurance Company Limited:—For the year ended 30th. April, 1935, 3,438 proposals received for Rs 25,18,751, 2,829 proposals for assurances of Rs. 20,31,528 resulted in policies Income from premium Rs. 2,37,632. Claims by death and maturity Rs. 26,248. Expenses of management Rs. 1,50,396. Life Assurance Fund Rs. 2,83,323 Total assets Rs 4,14,541 out of which Rs. 1,58,113 invested in Government Securities.

Popular Insurance Company, Limited.—During 1934 the Company received 570 proposals for Rs. 7,12,000 and issued 489 policies assuring Rs. 5,40,000. Income from premiums, interest and other sources amounted to Rs 54,969. Claims intimated were Rs 2,500, expenses of management Rs. 29,172.

Reliance Assurance Company, Limited—During 1934 the Company issued 90 policies assuring Rs. 73,000 Life Assurance Fund Rs. 18,217, total assets Rs. 47,628

Servants of India Insurance Company, Limited.—During 1934 new business effected exceeds Rs 21 lakhs and the total receipts from premiums, interests Rs 1,02,024. Expenses of management Rs 85,032 including claim payments of Rs. 11,953.

Shree Life Assurance Co. Ltd.—During 1934 new business effected Rs. 6,03,482 under 404 policies, yielding premium income Rs. 28,755, expenses of management including claims of Rs 13,050 amounted to Rs 64,461. Life Assurance Fund Rs. 98,162, total assets Rs. 1,85,256

Star of India Insurance Co., Ltd—During 1934 new business effected Rs. 5,51,000, total business in force Rs 13,73,895, total premium Rs. 67,628, expense ratio 68 1

Sunlight of India Insurance Co Ltd.—During the year ending 31st March 1935, new business assured Rs 26,09,925; premium income Rs 1,99,357. Claims by death Rs 9,563 Life Assurance Fund Rs 86,105. Investments in giltedge securities of Rs. 1,30,138,

Taj Insurance Company, Limited.—During year ended 30th September, 1935, new business effected Rs. 5,07,500; total premium income Rs 39,452

Unique Assurance Co., Ltd.—During 1934-35, new business effected Rs. 26,63,250, total premium Rs. 2,58,811, expense ratio 67 9, life fund Rs. 7,08,093.

United India Life Assurance Co. Ltd.—In 1934, 5477 new policies were issued assuring Rs. 79,76,000 with a premium income of Rs. 4,40,039. Total assurances in force Rs 2,95,87,284 Life fund exceeds Rs. 54,85,000.

Venus Assurance Co. Ltd.—During 1934-35 new business effected Rs. 23,75,503, total premium Rs 3,30,194, claims by survivance Rs. 14,991, claims by death Rs 46,167, expense ratio 49 2, life fund Rs 4,93,163.

Vijayalakshmi General Assurance Company, Limited—During 1934, 1,119 proposals for Rs. 16,01,250 were received Of this 877 proposals for Rs. 12,45,500 were issued Total income from premiums Rs. 78,464. Claims by death Rs. 2,000, the expenses Rs 54,857. Total assets Rs. 1,36,898.

Warden Insurance Company, Limited.—For the period from the 26th August, 1933 to the 31st December, 1934, new business effected Rs. 25,16,000 under 1,577 policies The premium income Rs. 1,01,959 after deducting the premium paid on reassurance.

Western India Life Insurance Company, Limited—During 1934 the Company received 4220 proposals for assurances of Rs. 47,79,800; 3616 policies for Rs. 40,52,415 were issued. Annual premium Rs. 2,10,765. Premium income Rs. 11,65,263, income from interest Rs. 2,66,065, Claims paid Rs. 2,20,417, surrenders Rs. 29,327, expenses of management Rs. 2,77,226. Life Assurance Fund Rs. 50,99,439.

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Zenith Life Assurance Co. Ltd—During 1934, new business effected Rs. 29,37,250, total business in force Rs. 1,00,45,330, total premium Rs. 5,32,195, expense ratio 49 4, life fund Rs 13,51,974

PRESENT SITUATION

Business hitherto done in insurance branches in India is compares poorly with those of other modern countries The Indian insurance companies in the life assurance branch have no doubt done well inasmuch as they have managed to secure a good share of the business which is being actually done here In the fire insurance branch there seems to exist a sort of cut-throat competition, among Indian insurance companies inter se as well as with the outside companies doing business in the country In this struggle naturally the Indian companies are at a disadvantage for the simple reason that they do not possess the resources which the reserve funds of foreign and outside companies of old standing command Th s renders competition with outside and foreign companies very one-sided and protective legislation with a view to restrict the operation of outside companies is here absolutely necessary

In the marine insurance branch, the Indian insurance companies have secured a small share of business in what is known as "Cargo Insurance" Here, too, they are greatly handicapped and hampered through unequal treatment by foreign exchange banks who prefer and in some cases insist on dealing only on policies of outside insurance companies in case of goods exported from this country which they finance This is unfortunate and is no doubt due to fact that there are no Indian banks doing exchange business on a substantial scale

In hull insurance for ships and steamers, the monopoly of outsiders still continues within the sacred precincts of which the Indian insurance companies have not so far been able to enter Legislation should therefore be so framed that when it protects the insurance companies and their branches, it affords at the same time the policyholder complete safety by providing, as far as legislation can, safeguards against exploitation of the policyholder and the investor by the managers of these companies.

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COTTON MILL INDUSTRY.

THE textile industry is the biggest manufacturing industry of India absorbing the largest Indian capital and is mostly worked under the management of Indians. From a small beginning the industry has expanded considerably against tremendous odds and severe foreign competition. At present there are 365 cotton mills equipped with 9,686,000 spindles and 198,867 looms giving employment to 415,000 men. The total paid up capital of the industry on the 31st August 1935 amounted Rs. 39,47 lakhs, of which Bombay City and Island was responsible for Rs. 12,80 lakhs. During the year ended August 31, 1934 the total paid up capital was Rs 39,22 lakhs and that in Bombay City and Island was Rs 13,32 lakhs. Besides, there are quite a large number of handlooms working in the Indian villages. It is estimated by experts that there are in India intermittently at work 50,000,000 spinning wheels and about 2,500,000 hand looms, the output of which contributes to more than 25 per cent. of the consumption of cloth in India.

GROWTH OF THE TEXTILE INDUSTRY.

The textile industry in India is of recent origin and is only a century old. The history of the cotton mill industry in India is one of slow growth in the infant stage which seems to have lasted for about half a century. The first cotton mill to start operation in India was the Bowreah Cotton Mills on the bank of the Hooghly river near Calcutta in 1817. It was conceived by the Englishmen and its successor is still in existence. In 1851 another mill was established by the English at Broach and in 1854 another was created at Bombay, with 20,000 spindles. The first Indian mill, however, was established in 1865 under the management of an enterprising Parsi gentleman named Mr. Cowasji Manabhoy Davar. Since that time the progress of the cotton mills has been very rapid. Reliable figures relating to this industry are wanting until 1876 in which 29 mills with 1,000,000 spindles and 9,100 looms were reported to have existed in the whole of India. The following table gives a comprehensive idea of the growth of the cotton mills in India since 1866:—

Year	No. of Mills.	Spindles.	Looms.
1866	13	309,000	3,400
1880	56	1,461,000	13,500
1899	156	4,046,100	36,600
1910	223	5,780,124	74,757
1920	253	6,763,000	119,000
1930	348	9,124,768	179,000
1931	340	9,500,000	186,000
1932	344	9,572,000	189,042
1933	352	9,613,000	194,988
1934	365	9,686,000	198,867

In the infant stage the cloth woven by the Indian mills was plain and coarse and made up usually of counts under 24s. but the bulk of their production was not cloth but yarn of the lower counts which was consumed in India or exported to the Far East, where India held prac-

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tically a monopoly of supply The industry struggled to establish itself in the face of powerful competition from Lancashire and without any protection from the Indian Government In fact, if it were not for the capacity and perseverance of its pioneers together with the facility of home-grown cotton, it is very doubtful if the industry could have survived at all

Early in this century, however, the mills began to realise that, unless they extended their weaving section, there was little profit in spinning owing to the competition of Japan in the Eastern markets and the establishment of cotton spinning and weaving factories in those centres Consequently, most of the Indian mills increased their looms and adopted the policy of producing more cloth than yarn This change is visible in the actual production of cloth which increased almost three-fold between the years 1900 and 1915 The Swaraj movement also lent an impetus to the industry by creating increased demand for cloth and piecegoods made in India

MODERN DEVELOPMENT.

Besides an increase in the outturn of cloth, there have been other developments in the industry since the beginning of the century Apart from plain coarse cloths which are still largely woven by the Indian mills the weaving of the higher counts up to 60s, with fancy and check patterns have been introduced in the Indian mills Large available supply of long staple cotton in India as a result of improvements in the Indian varieties of cotton renders the manufacture of finer fabrics on an extended scale possible There is also an increasing tendency to import long-staple cotton from abroad for spinning into fine yarns, to replace the importation of foreign yarns Then, bleaching, dyeing and printing are now included among the operations of many of the mills Also to improve the finish of cloth, calendar machines have been brought into use in several factories The result of these developments is that much of the cloth now woven in India is finer, better and cleaner in appearance than in former years Indian manufacturers have succeeded so well with some of the accomplishments of this industry that sixty per cent of the weaving in Bombay at present is reported to be in fancy cloths of attractive design and finish The mills there are now generally equipped with up to-date looms, plant and machinery worked by electric power which crowns the progress on the mechanical side In the olden days Lancashire was supposed to be eminently suited to cotton spinning and weaving owing to the natural humidity of its climate Now the mechanical device known as "the humidifier" has robbed the seat of the world's cotton manufacture of much of this advantage, for wherever the atmosphere happens to be dry in India humidifiers moisten the air inside the cotton mills

CONSUMPTION OF COTTON.

The activity of the industry is reflected in the figure of cotton consumed The consumption of raw cotton by the cotton mills in India during the year ending 31st August 1935 amounted to 2,182,919 bales The consumption of Indian cotton in the Indian mills did not show any improvement owing to greater use of imported cotton This is also due to the fact that the Indian mills are now better equipped to manufacture yarns of finer counts utilising lesser amount of cotton The Indian crop of 1934-35 was estimated to be 4,425,000 bales as against 4 425,000 bales during the previous year The consumption of cotton in the various provinces of India during the cotton years (from 1st September to 31st August) 1931 32, 1932 33, 1933-34 and 1934-35 follows —

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	1931-32	1932-33	1933-34	1934-35
		(in bales of 400 bales)		
Bombay Presidency	1,132,645	1,116,297	1,063,549	1,230,616
Bombay Island	611,606	565,084	491,709	687,287
Ahmedabad	322,257	348,009	373,345	326,558
Madras Presidency	260,707	292,013	278,060	312,074
United Provinces	256,820	273,115	277,230	292,424
C P & Berar	115,018	111,208	112,660	125,114
Bengal	102,390	103,784	107,633	100,414
Punjab & Delhi	89,681	80,452	71,939	83,697
Indian States	358,793	351,260	390,051	428,345
Indore			111,430	114,229
TOTAL	2,345,078	2,360,924	2,336,261	2,611,259

The above table supplies a fair idea of ie relative importance of the provinces as manufacturers of cotton goods

SEAT OF THE INDUSTRY.

Since the middle of last century Bombay on account of its excellent shipping and railway facilities and business enterprise has dominated the cotton industry It has been for many years the real seat of the cotton industry in India and still produces the greater part of the cotton goods But an important tendency of the present day is the migration of the Indian mill industry to other centres of India As a result of this, cotton mills are being erected at Ahmedabad, Lahore, Delhi, Baroda, etc where they are close to the sources of supply of the raw material and to the up-country consuming markets and are also protected against foreign competition by the long railway lead from the ports As matters now stand Ahmedabad has come to occupy the second place so far as textile manufacture is concerned Other centres in the Bombay Presidency include Sholapur Surat, Broach and Jalgaon The other mills are distributed over many provinces and towns The most important among them are Madras, Madura and Coimbatore in the Madras Presidency, Nagpur in the Central Province, Cawnpore in the United Provinces and the vicinity of Calcutta The number of mills in Bombay City and Island is 74, in Ahmedabad 83, in Bombay Presidency excluding Ahmedabad and Bombay City 63, in the United Provinces 25 in Bengal 22, and in Madras Presidency 36 There has recently been a tendency for the industry to push into the smaller towns in the cotton growing tracts

The number of spindles and looms in operation during the year ending 31st August, 1935 as compared with those during the preceding year follows —

	Spindles			Looms		
	1933	1934	1935	1933	1934	1935
	(figures in 1,000)			(figures in 1,000)		
Bombay Islands	33,00	31,70	29,90	73	70	68
Ahmedabad	19,87	20,10	20,20	47 2	49 9	50 4
U P	6,64	6,40	7,10	8 9	9 0	10
Madras Presidency	8,64	9,42	9,76	5 5	5 3	6
C P	3,06	3,08	3,18	5 7	5 7	5 7
C I	3,14	3,25	3,56	8 3	8 8	9 5
Bengal	3,33	3,30	3,33	6 0	7 0	7 7
Punjab	1,58			3 8		
Hyderabad	1,04	1,24	1,24	1 6	2 7	2 8

A comparative table of the production of cotton twist and yarn, grey and bleached and coloured piecegoods for the years 1930-31 to 1934-35 follows —

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Twist and Yarn.

	1930-31	1931-32	1932-33	1933-34	1934-35
			(in million lbs.)		
Bombay Island	271	322	313	243	265
Ahmedabad	137	152	166	169	179
Bombay Presidency	476	549	559	485	523
Madras	77	88	105	98	103
Bengal	38	38	41	40	41
U. P.	85	90	93	94	100
Ajmer-Merwara	6 0	7 0	7 8	8 1	8 6
Punjab	4 0	5 2	5 3	2 6	2 7
Delhi	19 6	24 5	26 8	24 4	25 3
C. P.	45 1	44 1	45·4	41 6	45 0
Burma	3 3	3 3	3 3	3 3	4 0
Indian States	114	118	131	124	148
TOTAL	867	996	1,016	921	1,001

The following table gives the quantity of the various counts of yarns produced in the Indian mills during 1934-35.

	Nos 1 to 10	Nos 11 to 20	Nos 21 to 30	Nos. 31 to 40	Nos 41 & above	Total
			(in million yds)			
Ahmedabad	1 9	77 1	53 6	25 8	20 6	17 9
Bombay Island	39 9	97 2	83 4	30 2	13 7	265
Bombay Presidency	53 7	206 2	165 7	60 3	36 2	523
Madras	3 4	43 6	33 8	19 2	1 4	103
Bengal	4 4	20 1	9 2	4 1	1 2	41
U P.	17 9	53 2	26 6	0 7	1·0	100
Ajmer-Merwara	2 3	5·8	0 5			8 6
Punjab	0 5	2 2	0 04			2 7
Delhi	4 8	17 4	2 3	0 6	0 7	25 3
C. P. & Berar	9 3	25 0	7 9	2 0	0 4	45
Burma	6 1	3 9	—	—	—	4 0
Indian States	13 4	86 0	36 2	8 6	3 6	148
	110	463	282	96	44	1,001

The following two tables give the quantity and length of grey and bleached and coloured piecegoods during 3 years ending 1934-35 :—

Grey & Bleached.

	1932-33	1933-34	34-35	1932-33	1933-34	1934-35
	(in million lbs.)			(in million yds.)		
Ahmedabad	112	114	131	604	620	724
Bombay Island	201	161	176	941	737	830
Bombay Presidency	347	310	342	1,682	1,496	1,701
Madras	8·4	7·2	9·3	33 7	30·2	33·3
Bengal	19·1	22·1	30·0	93 4	111·5	145·2
U. P.	38 4	44 3	50·1	154·7	172·4	200·3
Ajmer-Merwara	6·6	6·2	6·6	23·2	22·2	24·0
Punjab	2 1	1·4	2 2	8 0	4 8	6·9
Delhi	19 0	16·1	17·4	67·9	62·1	64·9
C P.	15·6	14·6	21·4	60·3	56·7	80·7
Indian States	76 0	74·1	90 5	300 1	308·7	380 2
TOTAL	532	496	571	2423	2265	2641

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	Coloured Goods.					
	1932-33	1933-34	1934-35	1932-33	1933-34	1934-35
	(in 1,000 lbs.)			(in 1,000 yds.)		
Ahmedabad	43,960	48,847	52,817	255,830	287,921	325,989
Bombay Islands	54,165	39,441	40,198	269,695	186,012	195,156
Bombay Presidency	110,132	99,205	105,030	584,271	528,049	582,522
Madras	11,754	11,245	11,587	36,864	35,148	36,835
Bengal	808	640	605	4,269	3,198	3,132
U. P.	1,914	2,012	2,173	8,192	8,372	9,150
Ajmer-Merwara	141	204	212	1,171	1,377	1,339
Punjab	78	26	8	473	129	40
Delhi	1,854	1,676	1,864	8,597	7,063	9,036
C. P.	4,459	3,264	3,137	18,105	13,182	11,134
Indian States	19,554	19,280	22,838	84,893	83,416	102,587
TOTAL	150,724	137,610	147,466	746,901	680,057	755,802

In this connection an enumeration of the principal spinning and weaving countries will be of interest:—

	Spindles.			Looms.		
	1932	1933	1934	1932	1933	1934
	(figures in 1,000)			(figures in 1,000)		
U. K.	53,444	51,525	47,183	625	602	560
U. S. A.	32,109	30,685	30,329	647	625	609
Germany	10,233	9,846	9,900	230	267	225
India	9,312	9,506	9,572	182	186	189
Japan	7,535	7,965	8,644	78	76	86
China	4,498	4,498	4,905	34	34	43
Czechoslovakia	3,630	3,634	3,574	110	110	105
France	10,144	10,172	10,157	200	199	198
Russia	9,200	9,200	9,500	250	250	259
Italy	5,450	5,400	5,400	150	148	148

YARN OUTPUT.

When the cotton mills sprung into existence in India, their endeavours mostly centred on the spinning operations and the output of the spindles was produced more for export than for internal use. The threads were rough and of counts below 24s. But on the tightening of the Far Eastern markets the prospects of Indian yarns in those markets were anything but rosy. Consequently in recent years the tendency of Indian cotton mills in regard to the lower range of goods (from 1s. to 20s. counts) has been to spin less, and weave more for the Indian and Near Eastern markets. Indeed, the home consumption of this range both as regards cloth for the masses and yarn for hand-loom weaving occupies the foremost attention of our mills. These low counts form their established and principal business owing partly to the fact that India is the largest producer of short-staple cotton in the world and partly to the circumstances that cloth woven from it best suits the purchasing power of the masses in this country. So long as these economic conditions continue, it is difficult to see how the foundation of India's cotton manufacture can be other than in this range. The figures of yarns produced and imported during the last few years follow:—

	Production.	Imports.
	(in 1,000 lbs.)	
Pre-War Average	646,757	41,794
War Average	666,227	34,063
Post-War Average	662,510	44,681

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	Production	Imports
	(in 1,000 lbs)	
1925-26	686,610	51,688
1926-27	807,116	49,425
1927-28	808,940	52 945
1928-29	648,283	43,766
1929-30	833,542	43,882
1930-31	867,279	29,140
1931-32	966,373	31,575
1932-33	1,016,422	45,103
1933-34	921,061	32,055
1934-35	1,000,756	34,013

The reduced production during 1928-29 was largely due to the strike in the Bombay mills which continued for 6 months during the year

The following figures illustrate the quantities of yarns spun under the several broad grades —

	Pre-War Average	1929-30	1930-31	1931-32	1932-33	1933-34	1934 35
			(in million lbs)				
Nos 1 to 20	479	493	514	562	599	547	573
Nos 21 to 30	146	272	260	294	297	255	282
Nos 31 to 40	19	46	61	71	77	76	96
Above 40	3	15	27	34	37	37	44
Waste	5	7	6	5	6	6	6

It will be evident from the figures that there is significant tendency in India in the direction of spinning finer counts Formerly the yarns Nos 1 to 20 embraced by far the largest part of the yarn out put but the mills are more and more concentrating their efforts on spinning finer yarns from long staple cotton grown in India itself

PRODUCTION OF PIECEGOODS

Productions of cotton piecegoods are classified under two broad groups —Grey and bleached piecegoods and coloured pieces which are again subdivided into a number of well-known types The figures of production under each of these head produced in Indian mills including the Indian States for the few years are given below —

	Grey and Bleached		Coloured		Total	
			(figures in million)			
	lb	Yds	lbs	Yds	lbs	Yds
Pre-War Average	—	864	—	251	—	1,105
War Average	—	1,219	—	466	—	1,444
Post-War Average	—	1,219	—	466	—	1,676
1924-25	325 3	1,382	125 6	588	450 9	1,970
1925-26	339 3	1,414	116 7	540	456 0	1,954
1926-27	381 7	1,577	145 3	681	527 0	2,259
1927-28	403 5	1,675	148 3	682	551 8	2,357
1928-29	330 9	1,410	112 2	484	433 1	1,893
1929-30	421 8	1,815	125 9	605	547 7	2,419
1930-31	460 3	2,003	117 5	558	577 8	2,561
1931-32	520 0	2,311	138 6	679	658 6	2,990
1932-33	531 8	2,423	150 7	747	682 5	3,170
1933-34	495 8	2,265	137 6	680	645 7	2,945
1934-35	571	2,641	147	756	718	3,397

The table shows that the production of either class of piecegoods is on the increase and that the total production in twenty years has

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just doubled A peculiar feature is that the expansion in the case of coloured goods is more pronounced than that in the case of grey and bleached goods There was a considerable setback in production during 1933-34 due to the cessation of work in a number of cotton mills in Bombay.

A detailed statement of the quantity in pounds and their equivalent in yards, and descriptions of woven goods produced in the Indian mills during the last few years follows -

		1913 -14	1930 -31	1931 -32	1932 -33	1933 -34	1934 -35
Grey and Bleached.							
Chadars	lbs	23 7	20 4	21 1	21 8	21 1	23 2
	Yds	69 9	54 0	55 7	58 6	56 2	58 9
Dhuties	lbs	59 1	164 3	188 3	210 2	188 1	215 1
	Yds	284 8	831 4	964 5	1,096 8	978 5	1,109 9
Drills and Jeans	lbs	7 5	21 0	26 2	28 2	26 5	29 5
	Yds	27 8	80 7	103 2	112 9	104 3	118 6
Cambrics	lbs	0 7	4 1	5 8	9 0	10 4	16 2
	Yds	5 1	28 9	43 3	67 5	77 6	121 7
Printers	lbs	6 5	3 8	4 5	2 5	3 5	4 0
	Yds	30 4	19 1	22 0	13 7	18 4	20 9
Shirtings & L-Cloth	lbs	66 5	141 3	176 3	165 2	162 0	187 4
	Yds	292 5	642 2	790 9	748 0	725 8	863 2
T-cloth, Domestics & Sheetings	lbs	29 7	32 3	42 5	39 6	36 7	41 3
	Yds	129 0	121 9	154 4	143 7	137 0	161 9
Tent Cloth	lbs	2 3	3 4	2 1	2 9	2 2	2 5
	Yds	5 8	8 7	4 9	6 7	5 2	6 1
Khadi, Dungri	lbs	—	60 2	41 6	39 5	30 7	35 8
	Yds	—	175 2	119 5	115 5	91 3	106 2
Other Sorts	lbs	6 7	9 6	11 6	12 9	14 7	15 5
	Yds	27 3	41 4	52 6	59 7	70 8	73 7
TOTAL	lbs	202 8	460 3	520 0	531 8	495 8	570 7
	Yds	872 4	2,003 5	2,311 1	2,423 0	2,265 0	2,641 3
Coloured							
Coloured piecegoods	lbs	68 8	117 5	138 6	150 7	137 6	147 5
	Yds	291 8	557 6	678 8	746 9	680 1	755 8
Grey coloured goods other than piecegoods	lbs	2 2	3 2	3 2	3 5	3 4	3 7
	lbs	0 6	0 8	0 8	0 9	0 8	
Miscellaneous	lbs	0 5	1 6	2 0	2 5	2 2	
Hosiery	Doz	0 3	0 5	0 6	0 7	0 7	
Miscellaneous	lbs	0 2	4 2	5 4	4 3	4 9	
Cotton goods mixed with silk & wool	lbs	—	3 4	3 0	2 0	1 9	
GRAND TOTAL	lbs	71 2	590 4	672 3	694 9	645 7	736 6
	Yds	291 8	2,561 1	2,990 1	3,170 0	2,945 1	3,397 1
	Doz	0 9	1 3	1 5	1 7	1 5	2 4

The following table gives the quantity of various descriptions of woven goods produced in Indian mills in 1934-35

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	Chadar	Dhuti	Drill	Cambric	Shirtings	T cloth
			(in million yds)			
Bombay Island	15 6	268	63	32	364	54
Ahmedabad	15 2	354	14	64	214	20
Madras	0 7	14 8	3·6	—	16 5	0 3
Bengal	0 3	116	0 5	0 4	25 6	0 2
U P	3 6	127	3 5	0 2	14 1	44 7
Delhi	7 0	26 3	0 6	—	11 7	6 7
C P	2 6	43 6	5 4	0 6	9 6	4 4
Indian States	9 4	90 3	21	13 7	166	23
TOTAL	59	1110	119	172	863	162

EXPORTS OF INDIAN COTTON GOODS.

Cotton twists and yarns and piecegoods as well were formerly exported in big quantities to Far Eastern markets but as remarked already the exports are recording gradual decreases The figures of exports during the last few years follow.—

Twist and Yarn.

	1929-30	1930-31	1931-32	1932-33	1933-34	1934-35
Quantity (in million lbs)	25	23	22	15	16	13
Value (in lakhs of Rs)	1,90	1,58	1,28	79	82	63

The detailed figures of exports of cotton twists and yarns by counts follow —

	1930 31	1931-32	1932-33	1933-34	1934-35
			(in 1,000 lbs)		
Nos 1 to 20	15,475	16,712	14,363	13,925	10,855
Nos 21 to 40	206	343	456	2,036	1,480
Above No 40	3	12	—	3	9
Grey two-folds	7,189	4,699	131	90	138
Unspecified	600	277	158	334	307
TOTAL	23,473	22,043	15,108	16,388	12,789

China was the principal purchaser of Indian twists and yarns during the pre-war days but her offtakes have declined considerably A list of chief purchasers of Indian yarns follows —

	1930-31	1931-32	1932-33	1933-34	1934-35
			(in 1,000 lbs)		
China	880	170	8	—	—
Egypt	3,981	2,409	529	262	164
S Settlement	516	741	469	669	699
Persia	4,464	6,531	3,654	4 349	1,538
Siam	1,577	1,054	756	829	657
U K	219	151	198	440	236
Arabia	202	207	246	171	117
Other Countries	11,034	10,780	9,248	9,668	9,378
TOTAL	23,473	22,043	15,108	16,388	12,789

The increase in exports during 1933-34 is partly due to increased shipments to Persia and Straits Settlements

Although production of cotton twist and yarn increased from 921 million lbs. to 1,001 million lbs, the exports suffered a setback during 1934-35 Demand fell off from most countries but Syria nearly took 3 5 million yds as compared with 2 8 million yards in the preceding year There was a sharp drop of exports to Iran from 4 3 million lbs to 1 5 million lbs French Somaliland which took 1 5 million lbs in 1933-34

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purchased a little less than one million lbs. in 1934-35 There were decreases in the exports to Aden, Iraq and Siam.

Of the total exports of piecegoods Ceylon took nearly 18 million yards or 5 million yards more than in the preceding year The Straits Settlements slightly improved her demand from 5 1 to 6 million yds Federated Malay States took 1 6 million yds, Siam 1 1 million yards, Iraq 2 4 million yards, Bahrein Islands 3 million yards, Iran 6 million yds (a decrease of 3 million lbs on account of restrictions on imports of textiles in that country), Portuguese East Africa 2 8 million yds. and Mauritius 2 8 million yds

Piece-Goods.

The exports of piecegoods made in India have also fallen off considerably, partly due to growing competition in the markets where India formerly sold her goods and partly due to the establishment of textile mills at those places to meet the local demand The following table shows the exports under the head of grey, white and coloured —

	1927 -28	1928 29	1929 -30	1930 -31	1931 -32	1932 -33	1933 -34	1934 -35
				(in million yds)				
Grey	18 0	16 4	15 0	9 8	8 6	4 7	4 2	6 4
White	1 4	1 4	1 2	0 4	0 3	0 4	0 3	0 5
Coloured	149 3	131 5	117 2	87 5	95 8	61 4	52 0	50 8
Total	168 6	149 2	133 4	97 7	104 7	66 4	56 5	57 7
Value of exports (in lakh of Rs)	6,19	5,37	4,67	3,32	3 24	2 09	1,66	1,77

As regards grey piecegoods India's biggest purchaser during 1934-35 were Portuguese East Africa (1 7 million yds), Kenya (0 4 million yds), Aden (0 4 million yds), Straits Settlements (0 22 million yds), Ceylon (0 58 million yds) As regards coloured goods India's biggest purchasers were Ceylon (17 2 million yds), S Settlement (57 million yds,), Persia (86 0 million yds), Iraq (2 3 million yds), Portuguese East Africa (1 1 million yds), Kenya Colony, Zanzibar and Pemba (1 2 million yds) and Aden (1 6 million yds)

IMPORTS OF YARNS & PIECEGOODS.

Huge quantities of yarns and piecegoods are imported annually chiefly from the United Kingdom and Japan The increased production of yarns and piecegoods backed up by the imposition of high tariffs on imported stuff checked imports to some extent but with improvement of business conditions the imports have moved up

The figures of imports for cotton twists and yarns have already appeared p 212 Those for piecegoods are given below —

	Grey	White	Coloured	Total
		(in million yds)		
1913-14	1,534	793	832	3,197
1914-15	1,320	604	495	2,446
1921-22	636	306	138	1,090
1922-23	931	403	244	1,593
1923-24	704	415	348	1,486
1924-25	846	549	407	1,823
1925-26	709	465	306	1,564
1926-27	748	571	477	1,788
1927-28	876	556	505	1,973

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	Grey	White	Coloured	Total
		(in million yds)		
1928-29	839	554	507	1,937
1929-30	926	474	483	1,919
1930-31	365	272	246	890
1931-32	249	280	223	776
1932-33	356	413	425	1,225
1933-34	230	262	269	796
1934-35	297	285	361	944

The value of the different classes of imported cotton manufactures during the last few years is set forth below —

	1929-30	1930-31	1931-32	1932-33	1933 34	1934-35
Piecegoods			(in lakhs of rupees)			
Grey	20,93	6,87	3,92	5,07	3 06	4,03
White	13,27	6,20	5,33	7,33	4,73	5,47
Coloured	15,15	6,82	5,05	8 34	5 25	7,43
Twist & yarn	6,00	3,08	2,99	3 79	2,58	3,10
Hosiery	1,44	88	48	67	77	58
Handkerchief	17	5	2	5	4	4
Thread	81	60	54	56	51	71
TOTAL	58,59	25,09	18,78	26 31	17,29	21,76

In this connection a comparison between Indian imports and exports of cotton yarns and manufactures makes interesting reading

	Imports	Exports
	(in lakhs of rupees)	
1919-20	59,08	27,41
1920-21	102,12	18,27
1921-22	56 94	15 65
1922-23	70,13	13,06
1923-24	67,48	10,95
1924 25	82,33	11,27
1925-26	65 67	9 65
1926-27	65,05	10 75
1927-28	65,16	8,67
1928 29	63,24	7,80
1929-30	58,59	7,19
1930-31	25,09	5,22
1931 32	18,78	4,82
1932-33	26,31	3,29
1933-34	17,74	2,73
1934-35	21,76	2,40

The share of countries shipping piecegoods to India is evident from the accompanying table —

	1913-14	1930-31	1931-32	1932-33	1933-34	1935-36
			(in million yds)			
U K	3068	520	376	516	415	552
Japan	9	321	340	579	341	374
Netherlands	25	13	7	5	2	2
Italy	23	10	11	18	—	2
U S A	9	4	3	1	—	1

The imports of cotton fents during 1934-35 amounted to 36 million yds valued at Rs. 48 lakhs as against 35 million yds valued at Rs 45 lakhs in 1933-34 Imports of fents of all descriptions amounted to 52 million yards valued at Rs 86 lakhs Supplies from Japan totalled 37 million yds with a recorded value of Rs 66 lakhs The United King-

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dom sent 9 million yds valued at Rs 13 lakhs and the United States of America 6 million yards valued at Rs. 6½ lakhs

It will be seen that while the share of U K in 1913-14 was 97 per cent, this has come down to 58 5 in 1934-35 The share of Japan has increased during the period from nil to 39 6

CONSUMPTION IN INDIA.

The Indian mills produced during 1934-35 roughly 3,397 million yards of cloth, and imports amounted to some 944 million yards, the corresponding figures for the previous year being 2,945 million and 796 million yards respectively Exports of Indian-made cloth and imported cloth amounted to 57 7 million yds and 10 9 million yds against 56 8 million yds and 24 8 million yds respectively, in the preceding year Accordingly the quantity of cotton piecegoods remaining in India was 4 272 million yds, which compare with 4,306 million yards for the year 1932-33 The quantities of mill made cloth, whether Indian or imported, available for consumption in the country follow —

	Mill Production	Imports	Exports	Re-exports	Consumption
		(In million yds)			
1925-26	1,954	1,564	165	35	3,218
1926-27	2,259	1,788	198	29	3,820
1927-28	2,357	1,973	169	34	4,128
1928-29	1,893	1,937	149	24	3,657
1929-30	2,419	1,919	133	22	4,183
1930-31	2,561	890	98	17	3,336
1931-32	2,990	776	105	15 7	3,645 2
1932-33	3,169	1,225	66	21 6	4,306 4
1933-34	2,945	796	56 5	24 8	3,659 7
1934-35	3,397	944	57 7	10 9	4,272 4

Per capita consumption of cloth in 1934-35 was 15 60 yds as compared with 14 17 yds in the previous year and 16 90 yds in 1932-33

HAND-LOOM INDUSTRY.

A short account of hand woven cloth though not strictly belonging to the subject may not be out of place on account of the magnitude it has now assumed.

In importance cotton weaving is second to agriculture alone Though authoritative statistics are not available, the number of handlooms appears to be not less than 2,500 000 and the number of persons wholly or partly dependent on the industry must be in the neighbourhood of ten millions, whereas the cotton weaving mills in India employ 380,000 men only This industry is responsible for about 38 per cent of the total cloth produced in India and about 25 per cent of the total annual consumption of clothes

In coarser counts handloom production is not uneconomical In medium and finer counts it is doubtful if the handloom industry can survive Therefore, the Tariff Board in their Report on Textile Industry recommended reduction of the specific duty on yarn to one anna a pound and its restriction to counts 50s and below.

Artificial silk yarn is also used by handloom weavers in South India, in the Punjab and in Burma There is great divergence of opinion whether the use of artificial silk should be encouraged or not, because, on one hand, it competes with genuine Indian silk, on the other, it enables the hand weaver at a low cost to improve the appearance of his manufacture

The chief drawbacks from which the handloom industry suffers are the lack of education on artisans' part, their inherent conservative-

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ness, want of capital, and lack of marketing organisation To remedy these defects technical education should be rendered available to the artisans and they should be advised and encouraged to adopt better tools and new ideas in production Herein also exists the opportunity for the co-operative credit banks of proving their utility by providing credit facilities to the weavers Co-operative sale and purchase societies and a Central Sales Union may also provide marketing facilities State aid is also needed

In 1934-35 hand-looms in the different parts of India produced 1 460 million yds of cloth as against 33,97 million yds by the cotton mills and 9,44 million yds of imported manufactures Handloom productions during 1933-34, 1932-33 and 1931-32 were 14,36 million yds, 1700 million yds and 1500 million yds respectively The production of khaddar in the Indian mills during 3 years, ending 1934-35 was 115 5, 91 3 and 106 2 million yds respectively The production figures of genuine handmade khaddar are not available but the approximate figure for khaddar may be estimated at 10 million yards per annum In fulfilment of the announcement made by the Government during the discussion on the Textile Protection Bill at the last Delhi session that they would assist the handloom industry by giving grant-in-aid equal to the proceeds of the import duty of quarter anna per pound yarns up to fifties, Government of India has decided to grant Rs 5 lakhs annually for five years for the development of Indian handloom industry as suggested in the Industries Conference The grant sanctioned for 1935-36 is Rs 4,50,000 which will be distributed as follows —Madras Rs 59,500, Bombay Rs. 39,500, Bengal Rs 80,000, U P Rs 72,000, Punjab Rs 38,000; Bihar and Orissa Rs 52,000, C P Rs 17 000, N W F P, Rs 2,000. Delhi Rs. 5,000, reserve with Central Government Rs 50,000

PRESENT SITUATION.

During the year ended 31st August, 1935 the number of spindles in the equipped mills in India increased by 72,000 and the number of looms increased by 4,000, In Ahmedabad, there was an increase during the period of about 9,000 spindles and 500 looms and in the rest of the Bombay Presidency, there was an increase of 19,000 spindles and 1,000 looms In the Madras Presidency, there was an increase of 34,000 spindles and an increase of 700 looms In Central India the number of spindles increased by 30,000 and the number of looms by 767 while in Hyderabad (Nizam's Territory) the number of spindles decreased by 575, but the number of looms was slightly higher than last year, and in other parts of the country, the increase in spindleage and loomage was relatively small

During the year there was a net decrease of one mill in Bombay City and Island owing to the sale or scrapping of the machinery in the Jamshed Mills, the Kastoorchand Mills and the Imperial Mills, and the addition of the Shree Mahalaxmi Mills and the Venus Textile Works, two small weaving mills started during the year The number of mills in Ahmedabad increased by 1 from 82 to 83 The number of mills in the Bombay Presidency, exclusive of Ahmedabad and Bombay City and Island, increased from 62 to 63 In Central India the number of equipped mills is 15 as against 14 last year, the Hira Cotton Mills having commenced work during the year There was no change in the number of mills in Bengal, Central Provinces and Berar and Rajputana, but the number of equipped mills in the United Provinces increased from 22 to 25 as the Juggilal Kamlapat Cotton Manufacturers, Lakshmi Ratan Cotton Mills and the Munnalal Spg Mills commenced working The opening of the Lotus Mills Sri Kothandram Mills, the Palani Andvar

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Mills and the Shree Sarada Mills in the Madras Presidency increased the number of mills in Madras by 4 During the year the A D Cotton Mills in Travancore which had been closed for a number of years restarted Out of the 365 equipped mills in the country, 28 were completely idle during the year Of these 28 mills, 9 were located in Bombay City and Island, 2 in Ahmedabad, 6 in other parts of the Bombay Presidency and 6 outside Bombay Presidency

The activity of the industry as compared with the previous year is reflected in the figures of cotton consumed In the year ending 31st August 1935, the industry consumed 1,562,000 candies of 784 lbs of cotton as compared with 1,352,000 candies in the previous year The average number of spindles working daily during the year was 8,441,000 out of a total of 9,086,000 erected Last year, the corresponding figures were 7,845 000 working out of a total of 9,613,000 erected Of the 199,000 looms erected, an average of 174,000 were working daily during the year This compares with the figure of 159,000 working daily in the previous year In Bombay City and Island, only 2,393,000 spindles and 57,000 looms out of 2 990,000 spindles and 68,000 looms were working regularly It should, however be noted that the above quoted figures of spindle and loom activity do not include night shift working

The number of operatives employed daily on day shift work was approximately 415,000 as against 385,000 in the previous year Particulars of the numbers regularly employed on night shift work are not available

A Special Tariff Board consisting of Sir Alexander Murray, President, Mr Fazal I Rahimtoola and Dewan Bahadur A Ramaswami Mudaliar is now holding the fifth enquiry into the affairs of the Indian Textile Industry The present enquiry has a specific purpose, viz, to review the immediate past and as a result of that review come to the conclusions as to whether the existing protective duties have been and are adequate to ensure fair selling prices for Indian goods against which the goods now imported from the United Kingdom compete directly or indirectly A Delegation from Lancashire appeared before the Board for the first time The Millowners of Bombay and Ahmedabad, represented by their associations, urged the retention of existing scale of duties and also imposition of higher duties on certain lines of British fabrics In their memorandum to the Board the Bombay Millowners' Association submit, "We ask to be allowed to consolidate the gains already made at substantial sacrifices, being of the opinion that our industry will eventually be able, under the shelter of protective duties, to make satisfactory progress in the remaining lines in which there is scope for expansion by increased efficiency and a consequential lowering of costs of manufacture" The Ahmedabad Millowners' Association in their memorandum state "So far as the Indian textile industry is concerned the present position is that, out of the Indian consumption of cloth, the major part is being supplied by the Indian industry which is capable of producing the whole if it is given sufficient protection Any increase in the imports consequent on lowering the present duties or on a refusal to help the industry in its further stages of growth, can only result in a substitution of the Indian manufactures by foreign goods" The Lancashire Delegation, on the otherhand, claim a uniform reduction of the 25 per cent ad valorem duty The recommendations of the Board are expected to be published shortly

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JUTE MILL INDUSTRY.

THE development of the jute industry in India dates back to the latter part of the eighteenth century In India it has been in long use as its references in early literature would amply prove; but then the demand for the article did not justify its wide cultivation With the intercourse of the East and the West and the development of international trade, there sprang up a natural demand for cheap wrapping or containing material to transport goods from one place to another and to ship them abroad Even then jute did not come to public prominence and its many-sided usefulness did not attract the notice of the pioneers of the jute industry Some authorities went so far as to discourage the cultivation of jute until experiments could verify its applicability towards the satisfaction of human wants But the scarcity of Russian hemp during the Crimean War and the urgent necessity of cheap containing bags to carry food grains brought jute into prominence and since then the potentialities of jute have been appreciated by peoples outside India

BENGAL'S JUTE MONOPOLY.

The peculiar geographical and climatic position of Eastern Bengal and Assam have enabled them to command a virtual monopoly in jute production No country, it is believed, can monopolise an article in a sense Bengal and Assam do in respect of jute Ardent endeavours have been made in foreign lands in various parts of the tropics, notably in the Nile Valley, Nigeria Sierra Leone and in many parts of Africa, in Java and French Indo-China, but Bengal and Assam have been the only countries in which the cultivation of jute has been a commercial success A real danger, threatens jute goods, arising from the use of such synthetic materials as paper, mechanical contrivances like grain elevators and the protective fiscal policy deliberately adopted by several countries to encourage local manufacture of substitutes Moreover, of late there has been a progressive elimination of jute sacks as containers for grains in transit owing to increased adoption of bulk handling The remedy lies in increasing the efficiency of jute mills in India and in initiating and vigorously pursuing a policy of research with the object of discovering fresh markets and new uses of jute It is of the greatest importance that the Indian jute mills should be in a position to reduce their cost of manufacture and manufacture a wider range of articles such as curtains, rugs, shirtings, etc

IMPORTANCE OF THE JUTE INDUSTRY.

Jute and jute manufactures figure pre-eminently in the foreign trade of India, which annually amounts to several crores of rupees Jute, both raw and manufactured, forms one of the chief commodities of export Bengal is celebrated for its jute textile industry concentrated in the assembly of 84 large mills on the banks of the Hooghly The extensive and valuable industry with an investment of 19¾ crores of rupees, £ 2 5 million sterling and 12 million dollars exclusive of the reserve funds which have accumulated to huge figures has been mainly built up by British commercial enterprise, though of late Indian

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industrialists have come forward to stake a share Of 93 jute mills in India only a few are entirely owned and under the management of Indian companies, most important of which are the Birla, Hukumchand, Adamjee, Gagalbhai, Hanuman, Premchand and Juggilal Kamlapat The rest are still managed mostly by famous Scottish concerns associated with the industry from its early days, there being only 3 mills under American management

The jute textile industry employs 269,000 persons The industry is practically confined to a single locality Excluding four mills in the Madras Presidency, where a fibre differing from true jute is grown, and two in Bihar, and one in the United Provinces the jute mills lie in a small strip of country above and below Calcutta It is usually on a much bigger scale than the cotton mill, the number of operatives employed in a single mill being three times as great as in the latter case The number of spindles in operation during 1932 33 was 1,202,183

GROWTH OF THE JUTE MILL INDUSTRY.

Up to the middle of the last century the Bengal hand loom jute industry possessed such vitality that the export of jute fabrics from Calcutta exceeded that of raw jute in quantity Jute was then woven also on the power looms of Dundee which imported the raw material from Calcutta But in 1855 the first jute mill was started in India at Rishra and soon after jute mills sprang up rapidly in and around Calcutta The progress of the jute mill industry has been almost uninterrupted owing to which the hand weaving of jute fabrics has become extinct but the hand-spinning of jute ropes is still carried on as a cottage industry in the jute growing districts The development of the jute-mill Industry in India during the last 50 years is evident from the following figures —

	No of Mills	No of Looms	No of Spindles (figures in 1,000)	Persons Employed	Mill Consumption in bales
1879-80	22	7	71	27	—
1889-90	26	8	157	60	—
1899-1900	34	14	295	102	—
1909-10	60	31	646	204	—
1919-20	76	41	856	280	5,227
1926-27	93	51	1,083	300	5,139
1927-28	93	52	1,106	336	5 794
1928-29	95	52	1,108	344	6,047
1929-30	98	54	1,140	343	6,424
1930-31	100	62	1,225	308	4,564
1931-32	103	61	1,221	277	4,269
1932-33	99	61	1,202	263	5,000

The above figures show that the development of the jute mill industry has been rapid since the beginning of the present century This can be explained on the basis of the growing international trade at this period The primary industries such as wheat, grains, sugar, cotton, oilseeds, etc. all found themselves in a thriving condition and along with this there was a considerable expansion of the international trade in manufactured goods This stimulated keen demand for jute bags and cloth. To cope with this demand, the capacity of the existing mills was not only strengthened by increasing the number of spindles and looms but also new mills were started There was an industrial boom during the war when a strong demand for sand bags suddenly sprang up and the jute mills enjoyed a very prosperous time and further gained in number But with the passing of the boom period

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and setting in of the economic depression the jute mills found themselves in a difficult position Their production was far in advance of the world's demand with the consequence that the stocks accumulated in the factory warehouses and the prices began to go down Artificial measures to maintain the price were sought to be put into practice but failed An agreement was reached between the members of the Indian Jute Mills Association and the non Association Mills regarding the restriction of mill production The basis of the agreement was (1) The four non-Association mills, namely, the Agarpara, the Adamjee, Ludlow and the Gagalbhai, are to work for 54 hours per week and with the full complement of looms, (2) The Association mills with the exceptions of Hanuman, Premchand Craig, Waverley, Megna and Nuddea are to work for 40 hours per week, with 15 per cent of their looms sealed up and the six mentioned are to work 54 hours (3) That the mills will not instal any extra productive machinery or relative buildings during the currency of the agreement The agreement is still in force with this change that 5 per cent of looms which remains sealed is going to be terminated shortly (p 225)

The position of this industry is also evident from its consumption of raw jute and outturn of manufactured goods in recent years The following table compares the production, mill consumption and export of raw jute —

	1930 31	1931-32	1932 33	1933-34	1934-35
		(in lakhs of bales of 400 lbs each)			
Production	112	55	71	80	79
Export (July-June)	84	31	35	43	44
Mill consumption	46	43	44	43	46

JUTE PRODUCTS

The chief products of the jute mills are Twist and yarn, Gunny cloth, Hessian cloth, Gunny bags, Hessian bags

Besides these jute mills produce a coarse kind of jute textile called jute canvas, rope, twines, etc, for cordage are also sometimes manufactured by these mills

Figures of jute production during 1932-33, 1933-34 and 1934-35 follow —

		1932-33	1933-34	1934-35
Twist & Yarn	tons	36,024	41,238	44 035
Canvas	tons	912	1,134	44,035
	yds	1,711,713	2,064,381	2,835,305
Gunny Bags				
(a) Hessians	tons	36,221	41,500	45,947
	No	79,279,401	90,461,562	98,160,325
(b) Sacking	tons	543,459	512,806	540,146
	No	521,516,289	488,196,667	521,285,803
Gunny Cloth				
(a) Hessians	tons	260,867	280,565	288,893
	yds	982,105,688	1,065,548,595	1,101,506,432
(b) Sacking	tons	22,013	24,744	25,748
	yds	48 537,423	53,405,947	56,405,089
Other Manufacturers including Rope & Twine	tons	3,140	4,056	3,452
TOTAL	tons	902,636	906,043	949,820
	yds.	1,032,354,824	1,121,018,923	1,160,746,826
	No	600,795,690	578,658,229	619,446,128

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EXPORT FIGURES.

The figures for export and the values realised therefrom of the chief jute manufactures during the last few years will be interesting:—

Quantity of Exports.

	War Average.	Post-war Average.	1931 -32	1932 -33	1933 -34	1934 -35
Jute Bags.			(in lakhs of bags).			
Hessians	41,27	9,81	8,39	8,89	9,33	1,002
Sacking	30,29	30,62	30,46	32,62	30,83	3,228
Jute Cloth			(in lakhs of yards).			
Hessians	1,14,62	1,23,08	99,57	98,63	1,01,77	1,03,06
Sackings	3,03	3,95	2,54	2,54	3,48	3,29

Value of Exports.

	War Average.	Post-war Average.	1931 -32	1932 -33	1933 -34	1934 -35
Jute Bags.			(in lakhs of Rs)			
Sackings	14,25	14,92	9,36	9,53	8,03	8,40
Hessian	6,80	3,19	1,58	1,63	1.69	1,85
Jute Cloth.						
Sackings	61	90	40	38	46	42
Hessian	23,68	23,82	10,05	9,86	10,93	10,57

The chief purchasers of jute bags and jute cloth with their respective imports will be found from the following table:—

	War Average.	Post-war Average.	1931 -32	1932 -33	1933 -34	1934 -35
Bags.			(in lakhs).			
U. K.	22,65	4,18	4,75	4,65	4.51	4,79
Continent	6,88	2,99	3,03	2,27	2,60	2,03
Egypt	3,85	1,02	1,43	1,28	1,75	1,90
S. Africa	2,43	1,77	1,82	1,81	1,54	2,40
E. Africa	90	1,12	2,01	2,28	2,35	2,50
Australia	7,37	7,20	7,42	10,49	8,76	6,68
Java	2,06	2,05	2,96	1,36	1.28	99
Japan	1,18	1,86	46	94	62	1,82
Far East	4,36	5,84	6 55	7,09	6,58	8,23
S. America	5,32	3,35	1,17	1,65	3,14	1,79
C. America	2,29	2.98	2,74	2,40	2,44	3,17
Other Countries	7,47	6,07	4,51	4,79	4,59	5,99
TOTAL	66,76	40,43	38 85	41,51	40,16	42,29

	War Average.	Post-war Average.	1931 -32	1932 -33	1933 -34	1934 -35
Cloth			(in lakhs of yds.)			
U. K.	13,33	7,41	6,22	5,75	5,16	4,94
Canada	5,34	5,08	6,33	6,55	8,01	6,84
Australia	2,53	1,75	1,99	2,48	1,99	2,41
U. S. A.	69,85	89,38	69,24	54,88	64,72	60,91
Argentina	14,40	18,13	10,49	23,75	16,96	22,92
Other Countries	10,16	5.28	7,84	7,76	8,42	8,25
TOTAL	1,15,91	1,27,03	1,02,11	1,01,17	1,05,26	1,06,35

Exports during the last 3 years recorded a heavy decline due to the world's economic depression.

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PRESENT CRISIS IN JUTE INDUSTRY.

A crisis of the first magnitude developed in the Indian jute mill industry during the year under review It may be recalled that in 1932 with the assistance of His Excellency the Governor of Bengal, a Working Agreement was arranged between the Indian Jute Mills Association and certain large outside mills which worked smoothly until a few months ago During the period of this agreement, however, further mills were built and productive capacity was unnecessarily increased, and still further extension of productive power continues A number of jute mills outside the Association group, in Bengal and neighbouring provinces who were not bound down by the restriction agreement violated the basic principles underlying the agreement and precipitated a grave crisis in the market It was for this reason that the Indian Jute mills Association approached the Government of Bengal to assist the industry in meeting the danger that was imminent through over-production The Association urged upon the Government, the need for some sort of legislative sanction behind the restriction scheme, so that it can be uniformly enforced throughout India The Association moved the Government for (1) Statutory restriction of working hours, with a view to equating production at least to the highest recorded demand, (2) Statutory prohibition of further extension of productive machinery The Government however did not see eye to eye with the Association in this respect The Government in their reply to the Association pointed out that taking into consideration the highest demand ever reached so far, it could be satisfied by one-third of the existing mills and advised the mills to put their house in order Furthermore there were a number of mills who were in a stronger financial position at the present time Hence before endeavouring to enforce through legislation a universal scheme of restriction of production, the Government of India would seem to require definite assurances upon three important aspects of the problem In the first place, assurance seems to be needed that the restriction scheme would be acceptable to a majority of mills In the second place, that, side by side with the adoption of a scheme of restriction, the jute mills of India would be willing to put into progressive effect a scheme of rationalisation And in the third place—and this naturally seems to be the most important consideration weighing with Government—that the adoption of a scheme of restriction will not militate against the interests of the cultivators

On a satisfactory plan being put forward, Government promise they would consider legislative measures in support of it The idea of rationalization suggested by Government is to concentrate production in a limited number of mills securing adequate use of their machinery, which means closing down a number of mills The question would then arise which mills are to close down It is obvious that the comparatively inefficient mills will be asked to do so

The suggestions of the Government received considerations from the Association Discussions took place with the members of the Government of India in Delhi and in Calcutta The outcome of all these was that Government undertook to give further consideration to the request made by the Association and to all schemes of which particulars had been placed before them, and in due course to intimate their final decision Government's reply is a decisive no to any scheme of restriction

Meanwhile the Indian Jute Mills Association decided that in the event of no arrangement for the restriction of production being reached on a uniform basis with outside Mills before the end

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of December, the Mills in the membership of the Association will enter into an agreement to work, as from the 1st April 1936, up to the maximum weekly hours permitted under the existing Factories Act for single shift, namely 54 hours per week, with all existing machinery in operation. The requisite 6 months' notice has been given to the Adamjee Jute Mills Ld., the Agarpara Co. Ld., the Gagalbhai Jute Mills Ld., the Ludlow Jute Co. Ld. and to the Shree Hanuman Jute Mills, of the intention of the mills in the membership of the Association to release from seal and to put into operation, as on and from Monday, the 17th day of February 1936, the remaining 5% of the total complement of looms of each mill or mill Company in the membership of the Association which at present has looms under seal.

EFFECT OF RESTRICTION OF JUTE CROP.

During this year the Government of Bengal carried out a propaganda campaign among the ryots with a view to restriction of the crop. The propaganda was of a much more intensive nature than in former years and the extent of the restriction aimed at was five annas of the area under jute in 1934. Adverse weather conditions at the sowing period also resulted in a restriction of the crop. The Government of Bengal has announced that the extent of restriction in 1936 should be one-third of the acreage under jute in 1934. This means that restriction will be on the same lines as those adopted in 1935.

In considering the effects of such restriction on the industry, the position reflected by the following statistics is of vital interest at this present juncture:—

The approximate world consumption for the season 1935-36 based on present working hours is 99 lakhs bales. Against this can be set the crop estimated to be available from season 1935-36, 80 lakhs bales. Thus leaving an excess of consumption over outturn of 19 lakhs bales. The estimated world stocks at the end of June 1935 were 70 lakhs bales. On the basis of present consumption the estimated world stocks at 30-6-1936 may be put down at 51 lakhs bales, showing a reduction in world stocks of 19 lakhs bales. Now a stock of 51 lakhs of bales is slightly over six months' world consumption on the present basis of production. If no appreciable alteration takes place in the overseas demand for 1936-37, then the offtake for that season will be increased by the larger consumption of the mills in India, thus causing a further serious contraction in stocks if restriction is practised on the same scale as last year.

The production of the Associated Mills which have now unsealed half of their sealed looms has increased during the first nine months of this year by 56½ million yards (Hessian cloth and bags) but Stocks at the end of September were only 11 million yards more than those at 31st December 1934. This proves that world demand and consumption is increasing. During October shipments reached the record figure of 16 crores of yards.

JUTE FUTURES.

During the year under review, the Board of Control of the East India Jute Association Ltd., upon which body the Mills Association is represented, has continued to strive to place transactions in "Jute Futures" upon a sound basis, and to eliminate as far as is possible irresponsible gambling.

The amendments that have been made in the Bye Laws of the East India Association have undoubtedly proved a constructive step towards placing the buyer in a more favourable position than previously.

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In spite, however, of the introduction of these measures, it appears that speculation instead of diminishing has rather increased owing to the creation of more stable conditions, and the irresponsible operations of gamblers, the majority of whom are not in any other way connected with the trade, continue to have an increasingly great influence on the price ruling in the market of genuine demand.

It has also become evident that there is a desire in certain quarters to extend dealings in Jute Futures to Kutcha bales, and it is impossible to overstress the necessity for preventing such a development. Apart from the principle involved of creating increased facilities for undesirable gambling on the part of those unconnected with the trade, there seems to be no necessity for the introduction of a Futures, Market in loose jute.

JUTE RESEARCH.

It is worthy to note that a scheme of jute research in progress. A scheme has been formulated involving the establishment of a small research laboratory, the appointment of representatives abroad and the inauguration of an Information and Statistical Department—at an estimated cost, during the initial period of five years, of 3½ lakhs annually, or approximately Rs. 6/- per loom.

FOREIGN TRADE POSITION.

During 1935 the improvement shewn in 1934 was well maintained. Shipments of hessians and gunny bags have increased. The United States of America is our largest buyer of hessian and during the year under review a total of 74.76 crores of yards was shipped by Calcutta to that country as against 59.1 crores of yards in 1934, and the total of North American shipments including Canada for 1935 was 82.31 crores of yards as compared with 67.41 crores of yards for 1934.

The American stock figures show an increase over a year ago, the comparative figures being

1935	27.5 crores of yards.
1934	22.8 crores of yards.

In considering this increase it is necessary to take into account the improved Americal consumption figure for 1935 of 61.2 crores as against 51.3 crores for 1934, and an increase in the reserve of stocks held can be understood in view of the increased consumption.

The combined stocks of hessians in Calcutta and U.S.A. including afloat goods at the end of 1935 were 32.07 crores as against 29.13 crores at the end of 1934, so that the stock position is satisfactory at present and one would fain hope that it may continue so. It is difficult here to gauge the American situation where politics permeate economic discussion, but nevertheless business recovery continues in that country and shows signs of increasing strength.

Shipments to the Argentine show a large decrease of about 2½ crores of yards due to crops being adversely affected by unfavourable weather conditions at the time of sowing and for sometime thereafter. The figures are—

1935	18.78 crores of yards
1934	21.1 crores of yards

Shipments to the River Plate including bags during 1935 amounted to 109,000 bales as against 1930,000 bales for 1934.

There is evidence that overseas markets are better stocked than at the opening of the year and heavy forward purchases have been entered into. These factors may have a retarding influence on the trade in view of the prospect of increased production by the mills.

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Turning to the Heavy Goods market, an improvement is evident here also although it was not so well distributed over the consuming centres as in the case of hessians.

Australia delayed buying owing to adverse weather conditions but eventually improved on the 1934 figure of shipments. It must not be overlooked that when prices fell in the latter half of the year, heavy forward commitments were entered into by Australian buyers. Larger shipments were made to the Cape, Cuba, West Indies and New Zealand. The Far Eastern markets were disappointing as also Egypt. Burma and the East Coast of India shipments show a decrease but shipments show a decrease but shipments to the West Coast of India and Gulf Coasts have been well maintained.

Despite better shipment figures stocks of Heavy Goods have increased and it is evident that part of the up-country consumption is now being supplied by "outside" mills erected in areas near to the centres of demand.

COMPETITION FROM OVERSEAS.

It now appears that over and above the internal problems which are besetting the Indian Jute industry, it is threatened from abroad, for it is announced that by the withdrawal of the British Wool Federation's objection to the use of New Zealand made wool-packs, the loss of both the Australian and New Zealand markets, worth over £5,000,000 per year, seems probable. The manufacture of wool-packs from New Zealand flax has been proceeding for about a year, but in January, when the first products arrived in England, the British Wool Federation complained that the material flew badly when cut. This fault has now been rectified, and it is claimed that in this respect the flax pack is no worse than jute. Flax has thus established itself as a serious competitor to the Indian industry.

New Zealand has been spending from £500,000 to £600,000 a year on jute goods, practically all imported from India, and Australia's imports from the same source have been worth from £4,000,000 to £5,000,000. The sponsors of the new industry claim that within a very short time these two markets will have been captured entirely.

From the statistics published in the British papers it appears that the exports of jute cloth from the United Kingdom to all countries for the eleven months ended November 1935 amounted in round figures to 119½ million sq. yds. For the corresponding periods of 1934 and 1933 the exports reached the figures of 95½ and 97½ million sq. yds., respectively. The whole of the increase in 1935 shipments went to the United States and must in a great measure have been due to the improved demand for Linoleum Hessians, which Calcutta does not as yet manufacture.

As regards the Continental export of hessian to the U.S.A. we find from the figures supplied by the Textile Bag Manufacturers Association that 1935 exports were 8 crores of yards as against the figure for 1934 of 6,28,00,000. yards.

The importations of Continental hessians to the Argentine for 1935 were approximately 10,000 bales as against the 1934 figure of 25,000 bales and it is reported that the carry over of all hessians from that consuming centre was approximately 35,000 bales which is the equivalent of four months' requirements as against the normal stocks of two months

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INDIAN SUGAR INDUSTRY.

AS a result of the recommendations made by the Indian Tariff Board, the Sugar Industry (Protection) Act of 1932 was passed in April, 1933. Thereby the industry was accorded protection for a period of seven years ending 31st March, 1938. It was also agreed upon to grant further protection for eight years if the industry still needed support and for this purpose a fresh enquiry was to be made before 1938 The rate of import duty on sugar of all classes was fixed at Rs 7-4 per cwt In addition to the import duty of Rs 7-4 per cwt there was also a surcharge of 25 per cent Prior to September 1931, the import duties on sugar (of 3 grades) were Rs 7-4 per cwt, Rs 6-12 per cwt and 25 per cent ad val and Rs 2-12 per cwt The sugar industry in India thus enjoys protection to the unprecedented extent of approximately 200 per cent Consequent on the high degree of protection afforded to the industry, a great deal of public interest was concentrated since 1932 on the setting up of factories for the manufacture of sugar in different parts of India notably in the United Provinces and Bihar and Orissa India is one of the most suitable parts of the world for sugarcane cultivation and as the area under sugarcane gradually expands, India should become increasingly self-supporting in the matter of its supplies of sugar and may even be in a position to export sugar as in the days of yore when India was a big exporter of sugar An excise duty of 10 annas on Khandsari sugar and Rs 1/5 per cwt on all other sugar except palmyra sugar was imposed last year

Already the newly established factories have begun work and the output of sugar has gone up immensely It is considered by eminent authorities that the production will exceed consumption very shortly The imports in the meantime have gone down While these amounted to 893,404 tons in 1930-31, these declined to 223,000 tons in 1934-35 A survey of the industry will be found interesting as the effect of the protective duty has been nowhere more salutary than in the case of sugar industry

Prior to 1932-33 there were only 31 cane factories in operation The first batch of 27 new factories (including one small experimental factory) was added during 1932-33 Another 65 new factories were built for working in 1933-34 making a total of 123 factories in India, an increase of almost 400 per cent in two years A further 19 factories were built for working in 1934-35, making a total of 142 factories in India

The severe earthquake which occurred on the 15th January, 1934, caused very extensive damage to a number of sugar factories in Bihar Of the 33 factories operating in the province all excepting about half a dozen had to be closed down temporarily after the earthquake, but fortunately the damage in most cases was not serious and work was resumed after a short time

AREA UNDER SUGAR CANE.

India has now got the second largest area under cane cultivation as compared to any other country of the world It is at present about 40 million acres, which is equal to one quarter of the total acreage of

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sugar cane of the world The area shown is estimated at 4,007,000 acres for 1935-36 the year under survey, as against 3,477,000 acres in the previous year Out of total production of sugarcane seventy-six per cent of the produce comes from a broad strip of the Indo-Gangetic plain, lying alongside the Himalayas and stretching from Gurdaspur (Punjab) on the west to Darbhanga (Bihar & Orissa) on the East The principal sugar area lies in the United Provinces as well as that portion of Bihar and Orissa, lying north of the Ganges Sugarcane is a crop that depends considerably on precipitation Instead of thriving in the submontane southern peninsula of India, where irrigation is naturally difficult, the crop has found congenial soil in the north which presents a net work of irrigational works

The following table shows the area under sugar cane in the principal sugar cane bearing tracts of India —

Provinces and States	Average of preceding 5 years	1933-34	1934-35	1935-36
		(Area in 1,000 acres)		
U P	1,522	1,734	1,840	2,249
Punjab	483	466	462	473
Bihar & Orissa	287	418	445	465
Bengal	212	257	276	325
Madras	108	120	122	131
Bombay	96	103	114	121
N-W F P	49	49	43	58
Assam	33	35	35	35
C P & Berar	23	29	29	30
Hyderabad	39	42	46	50
Mysore	36	46	51	59
TOTAL	2,844	3,308	3 477	4,007

Out of this 4,007,000 acres under sugar cane about 1,200,000 acres are under improved varieties of cane These improved varieties originally bred at Coimbatore have shown their unmistakable superiority over the indigenous types and their cultivation is rapidly increasing This is a move in the right direction which is bound to increase the output of sugar in India

OUTPUT OF GUR.

The total yield of gur or raw sugar from the sugarcane grown in India is given by the following table —

Provinces and States	Average of preceding 5 years	1933-34	1934-35	1935-36
		(Area in 1,000 acres)		
U P	1,793	2,570	2,758	3,336
Punjab	321	364	326	358
Bihar & Orissa	309	623	673	668
Bengal	282	457	492	560
Madras	301	325	321	360
Bombay	257	270	266	313
N-W F P	59	54	43	53
Assam	33	40	34	35
C P & Berar	37	48	47	49
Mysore	39	41	43	53
Hyderabad	57	72	93	99
TOTAL	3,494	4,872	5,085	5,905

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The above table shows that the production of gur in India has increased considerably during the last three years ending 1935-36

PROVINCIAL DISTRIBUTION OF FACTORIES.

130 factories making sugar direct from cane worked during the season 1934-35, 119 out of them being old factories and the rest * new ones The following table shows the provincial distribution of factories working with cane during the last four seasons

	1931-32	1932-33	1934-35	1935-36
U P	14	33	60	65
Bihar & Orissa	12	19	33	34
Punjab	1	1	6	6
Madras	2	2	4	8
Bombay	2	1	5	5
Burma	1	1	1	2
Bengal	—	—	2	5
Indian States	—	—	1	5
TOTAL	32	57	112	130

The United Provinces registered the largest increase, the number of factories in the province being exactly half of the total number working in India during the season Three factories were built in Bengal and one in an Indian State Bombay is the only province in which no new factory was built during the year

OUTPUT OF SUGAR.

In addition to raw sugar or gur, India produces a quantity of sugar in the modern factories and refineries The following is culled from the note issued by the Sugar Technologist, Imperial Council of Agricultural Research

The production of sugar direct from cane in India totalled 578 115 tons during the season 1934-35 as against 453,965 tons during 1933-34 The production of old factories shows an increase of 5 5 per cent. over the previous year The total increase in the output of sugar during the season 1934-35 over that of the previous year amounts to 124,150 tons

The tables below show details of sugar production for factories in (a) the United Provinces (b) Bihar and Orissa, (c) Bombay, Madras, the Punjab, Bengal, Indian States and Burma, and (b) India as a whole

Particulars	United Provinces Tons 1934-35	United Provinces Tons 1933-34	Bihar & Orissa Tons 1934-35	Bihar & Orissa Tons 1933-34	Other Provinces. Tons 1934-35	Other Provinces. Tons 1933-34
Cane crushed	3,685,000	3,015,173	2,092,834	1,682,781	894,146	459,419
Sugar produced	315,600	273,774	184,038	139,957	78,447	40,234
Molasses produced	125,500	110,052	71 878	61,025	36,504	19,807
Recovery of sugar per cent cane	8 56	9 08	8 79	8 32	8 77	8 75
Recovery of molasses per cent cant	3 40	3 65	3 53	3 62	4 08	4 20

Total Production of Sugar and Molasses by Factories in India.

	1931-32	1932-33	1933-34	1934-35
		(figs in ton)		
Cane crushed	1,783,499	3,350,231	5,157,373	6,672,030
Sugar produced	158,581	290,177	453,965	578,115
Molasses produced	69,208	130,419	190,384	233,882
Recovery of sugar per cent cane	8 89	8 66	8 80	8 66
Recovery of molasses per cent cane	3 9	3 9	3 68	3 50

* Of these 11 only started operation in 1934-35

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It will be observed from the above table that the quantities of cane crushed and sugar and molasses manufactured in India during 1934-35 were considerably larger than those in 1933-34

The all-India increase in the quantity of cane crushed was over 30 per cent and in that of sugar produced 27 per cent respectively

RECOVERY OF SUGAR.

The highest recovery for the season was 11 10 per cent as against 10 98 per cent during the preceding season The average extraction for the whole of India shows a slight decline, the figure being 8 66 for 1934-35 as against 8 80 for 1933-34

The average extraction percentage shows a marked decrease in the United Provinces, the figure being 8 56 per cent as against 9 08 per cent during the previous year But in Bihar and Orissa the recovery rose from 8 32 per cent in 1933-34 to 8 79 per cent in 1934 35

The recovery of sugar in new factories was, on the whole, satisfactory though the figures for a few factories were very low

A review of the average percentage recovery of sugar from cane during the last five seasons is given below —

	Recovery of Sugar per cent (Cane)				
	1930-31	1931-32	1932-33	1933-34	1934-35
United Provinces	8 88	8 59	8 55	9 08	8 56
Bihar and Orissa	9 17	9 06	8 60	8 32	8 79
Other Provinces	9 84	9 60	9 90	8 75	8 80
All-India	0 09	8 89	8 66	8 80	8 66

OUTPUT DURING LAST DECADE

The following table brings together all India figures for sugar production for the last ten years For comparison figures for recovery of sugar in Java have also been shown side by side

Season	Number of Factories producing sugar direct from Cane	Cane Crushed (Tons)	Sugar Produced in Tons	Per cent Recovery for India	Percent Recovery for Java
1924-25	23	433,621	33,805	7 79	12 38
1925-26	23	659,400	52,990	8 03	12 38
1926-27	25	742,368	62,941	8 47	10 85
1927-28	26	786,476	67,684	8 60	11 62
1928-29	24	791,361	68,050	8 59	12 16
1929-30	27	989,776	89,768	9 07	12 42
1930-31	29	1,317,248	119,859	9 09	11 43
1931-32	32	1,783,499	158,581	8 89	11 92
1932-33	57	3,350,231	290,177	8 66	11 16
1933-34	112	5,157,373	453,965	8 80	12 64
1934-35	130	6,672,030	578,115	8 66	12 35

ESTIMATED PRODUCTION DURING 1935-36.

The following statement shows the estimated production of sugar during the season 1935-36 —

Provinces	No of Factories working	Cane Crushed Tons	Sugar made Tons	Molasses obtained Tons	Recovery (Sugar per cent. Cane).
United Provinces	68	4,180,000	374,000	144,000	8 90
Bihar & Orissa	34	2,281,000	202,000	81 000	8 80
Madras	9	204,000	18,000	9,000	9 00

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Provincees	No of Factories working	Cane Crushed Tons	Sugar made Tons	Molasses obtained Tons	Recoverv (Sugar per cent Cane)
Bombay	5	226,000	23,000	8,000	10 0
Burma	2	180,000	14,000	7,000	8 0
Bengal	7	200,000	16,000	8,000	8 0
Punjab (a)	5	130,000	10,000	5,000	8 0
Indian States	9	309,000	27,000	12,000	8 8
TOTAL	139	7,710,000	684,000	274,000	8 87

(a) Excluding Indian States

Thus the total quality of cane which will be crushed in m cern factories in India during the season 1935-36 is estimated at 77 10 00 tons as against the actual figure of 6,672 000 tons in season 1934 35 The total production of sugar is estimated at 684,000 tons as against the actual figure of 578,115 tons in the previous season The total number of factories working in 1935-36 is estimated to be 139 as against 130 factories actually in work in 1934 35 The quantities of cane crushed and sugar produced show increases of about 16 per cent and 19 per cent respectively over the respective figures for the previous season This large increase is attributed to the fact that several factories have increased their capacities by making additions to plants and that the factories in the Punjab and the western part of the United Provinces which worked for only a short period and had a very poor recovery of sugar during 1934 35 on account of bad crop, will work for the full season with better cane crop during 1935 36

PRESENT POSITION

The production for the year 1935 36 is estimated to be 958 000 tons, which is approximately the Indian requirement It is increasingly felt that the production coupled with certain amounts of imports, will outstrip the demand For the maintenance of sugar industry in a healthy condition, it is necessary to devote greater attention to research The development of the agricultural side of the industry has lagged behind the industrial and requires a considerable progress both in the matter of early and the late maturing varieties of canes yielding higher percentage of sucrose Granted a better variety of sugar cane, there is no reason why India should not supply some of the world markets with her sugar

In last year's issue of the review, the Sugar Technologist mentioned the probable effect of the excise duty imposed under the Sugar (Excise Duty) Act 1934, on different sections of the sugar industry It was stated there that the effect on modern factories manufacturing sugar directly from cane was likely to be to put a wholesome check on the excessive expansion which was taking place and of compelling the existing factories to increase their efficiency and reduce the cost of production The Gur refining and Khandsari sections of the industry being both inefficient and wasteful, were expected to be curtailed

The actual figures now available as well as the forecast of production in the near future have confirmed expectations in both these respects The putting up of new cane factories has almost come to a stop, whilst many of these existing factories have made, or are contemplating, additions to their plants with the object of increasing their capacity and efficiency and so lowering the cost of production The production of sugar by Gur refineries and Khandsaris has shown a marked reduction

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Whilst it was estimated last year that production would exceed consumption by 1936-37, the reduction in production of refineries and Khandsaris and a slight improvement in consumption now indicate that such over-production may not take place. The outlook for the industry is, therefore, definitely better to-day.

The sugar manufacturers of Upper India in a conference held in Cawnpore passed a resolution urging Government to make it compulsory for power alcohol manufactured from molasses to be mixed with petrol for use as fuel in engines and to grant necessary licenses for the manufacture of such alcohol. It was also of the opinion that the funds derived from the excise duty by local governments should be spent largely on cane cultivators, and undue emphasis should not be laid on cane marketing boards. The Association recommended to Government to help cultivators to market their cane and get better prices from factories by the construction of roads.

India's sugar industry is intrinsically sound and their is every reason to believe that the weaknesses associated with the unexpectedly rapid development will soon be rectified. There is need for closer co-operation between the factories and the growers and the practical realisation of their unity of interest. Until this is achieved the real problems of the Indian sugar industry will not be solved. Apart from Government effort there are signs of progress. Factories are building steam tramways, co-operative sugar factories have been started, and in fact attempts are made from several angles to solve the important problem of organisation. If the huge Indian market will be served to the best advantage, sugar marketing also must be better organised than at present. To this end a sugar bureau has started a self-supporting information service.

Successful steps were taken during the year to mitigate the effects of the great earthquake of January 1934. For further expansion in Northern India there is little room. In South India and Bombay some expansion is expected and is likely to be gradual. That there is scope for an increase in sugar consumption will be clear from the fact that India's average consumption of factory sugar alone for the five yeas ending 1931 was 961,000 tons. During the present time of agricultural depression the sugarcane crop has been the one redeeming feature for thousands of villages in Northern India. It is an all-times crop and gives the Indian cultivator a relatively large reward for his labour and employment throughout the year.

The growth of the sugar industry, whatever its imperfections has added substantially to the cultivators' resources while it was no exaggeration to say that the introduction of improved canes in Northern India has meant the difference between the cultivators' ability or non-ability to pay the rent or land revenues.

The total quantity of gur (raw sugar) likely to be obtained from date-palm juice and other sources is estimated at 96,000 tons, as against 100,000 tons last year. The total quantity of raw sugar in the province from all sources is thus estimated at 656,000 tons, as compared with 692,000 tons last year.

CHADBOURNE SUGAR PACT FAILS.

The conference, held in Brussels of the representatives of the signatories to the Chadbourne scheme of sugar control decided unanimously not to renew the pact which had been in operation since May 1931 and expired on September 1, 1935. The pact was designed mainly to secure the orderly marketing of excess stocks over a period of five years, the signatories agreeing to restrict export to specified quotas which were in agregate much less than their previous average exports.

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The International Committee for Sugar Restriction, that is the Chadbourne signatories, formally recorded the specific view that the trials of sugar producers were due not to members of the International Committee who paid due regard to their respective commitments, but rather to the growth of competition from non-signatory countries, and more especially to the extension of sugar beet culture in industrial areas

Java refused to participate in a direct attempt to organize a further world conference Representatives from Cuba, Czechoslovakia, Poland, Hungary, Belgium and Peru (members of the Chadbourne group) and the representatives of the official German sugar organization have therefore organized a new committee

This body will endeavour to maintain close and mutually beneficial relations between sugar industries of the various countries which were members of the Chadbourne pact, and which may be expected to adhere to any fresh agreement It will also assist any effort made to arrive at a world agreement A Belgian Senator, Lucien Beauduin, has been elected President of the Committee

The conference agreed to recommend the British Government to summon, as it can, a world conference of all countries interested in sugar to consider what steps should be taken with the object of putting the sugar market in a healthy condition

IMPORTS.

The following figures show the amount of sugar imported by sea from the different foreign countries in the last three official years (April to March) —

	1932-33	1933 34	1934-35
Countries and grades	Tons	Tons	Tons
Refined (16 D S. and above) (including beet)			
United Kingdom	34,894	36,666	16,790
Java	294,826	194,426	175,936
Germany	273	50	151
Belgium	2,503	1,870	2,072
Hungary	——	1,684	——
Czechoslovakia	494	——	78
Straits Settlements	233	153	234
China (including Hongkong)	2,202	3,401	3,861
Other countries	33,956	23,061	23,810
TOTAL	369,381	261,311	222,932

SUGAR IN FOREIGN COUNTRIES.

Although India depends no longer upon foreign sugar for home consumption and can claim to some extent freedom from repercussions from the world's price fluctuations, a narration of the world's production in various countries will be useful —

From the latest information received from the Sugar Technologist to the Imperial Council of Agricultural Research, India, Cawnpore, it appears that the world production of sugar, both cane and beet, during 1934-35 is estimated by Messrs Willett & Grey at 25,730,000 tons (16,182,000 tons of cane and 9,548,000 tons of beet sugar), showing a net increase of 224,000 tons (a decrease of 604,000 tons in cane sugar but an increase of 828,000 tons in beet sugar) as compared with the preceding season. In Cuba, the condition of the cane is reported

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to be, on the whole, satisfactory The production of sugar during 1934-35 amounted to 2,537,000 tons, as against 2,274,000 tons in the preceding season In Louisiana, harvesting operations which commenced in October last, are being carried on under ideal weather conditions and the production of sugar for the current season is now estimated at 242,000 short tons (216,000 tons) In the Hawaiian Islands, the sugar production in 1934-35 is estimated at 470,000 tons, as compared with 850,000 tons in 1933-34 The cane for the coming crop is reported to be in good shape and promises another large yield In Porto Rico, the production of the 1935 grinding season amounted to 781,000 short tons of 96 degree sugar, equivalent to 697,000 tons, as against an output of 914,000 tons in 1934 In Argentina, the revised official estimate of the sugar production for 1934-35 season is placed at 345,000 metric tons (339,000 tons), showing an increase of 8 per cent over the preceding season In Mauritius, the sugar production during 1935-36 is estimated at 270,000 tons, as compared with 179,000 tons during 1934 35 Weather conditions for the new crop are reported to be favourable In the Union of South Africa, the latest estimate of the 1935 sugar crop is placed at 434,000 short tons (387 000 tons), as compared with 359 000 short tons (321,000 tons) in 1934, or an increase of 21 per cent In Java, the latest estimate of the 1935 sugar crop is put at 502,000 metric tons (494 000 tons), as against 646 000 metric tons (636,000 tons) in 1934 In Japan and Formosa the production of sugar during 1935-36 is estimated at a record figure of 1,251,000 tons, raw value (including 38,000 tons of beet sugar) as compared with 1,163,000 tons last season, or an increase of 8 per cent In Queensland, the latest information indicates that the production of sugar for 1935 will not be less than 600,000 tons, as compared with 612 000 tons in 1934 The sugar output in New South Wales during 1935 is expected to reach 35,000 tons, as against 31 000 tons in 1934 In the Philippines, the sugar production for 1935 36 is placed at 950,000 tons, as against 620,000 tons during 1934-35 and 1,411,000 tons in 1933 34 In Jamaica, the latest estimate of sugar production for 1935-36 is placed at 86,000 tons, as compared with 75,000 tons in the preceding season In the Dominican Republic, the sugar production for 1934-35 amounted to 424,000 tons, as compared with 382,000 tons in 1933-34 In Brazil, the total production of sugar in 1935 is estimated at 627,000 metric tons (617,000 tons), which is the largest crop during the last decade, against 543 000 metric tons (534,000 tons) in 1934 In Mexico, the sugar production for the year ending August 31, 1935, is officially returned at 257,000 tons. The crop of 1935-36 is estimated at 315,000 tons. In Peru, the sugar production for the year ending August 31, 1935, amounted to 392,000 metric tons (386,000 tons) The production for the crop year 1935-36 is not expected to be more than 400,000 metric tons (394,000 tons) owing to canes having been affected by drought

In Europe, the third estimate of beet sugar production (excluding Russia) for 1935-36, is placed at 6 455,000 metric tons (6,351,000 tons) raw value, In the United States of America, the production of beet sugar is now estimated at 1,274,000 short tons (1,137,000 tons), raw value, or 276,000 tons less than the beet sugar marketing quota for 1935

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IRON AND STEEL INDUSTRY.

IRON and steel industry is now recognised as one of the biggest industry in India. It gives employment to about 25,000 persons and the capital invested in the industry is no less than Rs. 27 crores.

Good deposits of iron ore exist in many part of India, such as Singhbhum, Mayurbhanj Gua Mysore and to a small extent in Burma The ore is of high quality It compares favourably with the finest Lake Superior and Bibbao ores and is considered to be better than the iron-stone mined in the United Kingdom Various other metallic ores required in extracting iron from the iron ore are also available in abundance not far off the iron deposits Manganese ore, for example, occurs in the Singhbhum district Again dolomite and limestone are found within a short distance of the ore fields As, however, deposits of coal necessary for working these sources of iron were seldom close at hand, they were neglected until quite recently The output of iron ore in 1933 was 1,228,625 tons as against 1,760,501 tons in 1932 Value of the ore was Rs 25 lakhs in 1933 as against Rs 39 lakhs in 1932

Exports of pig iron amounted to 417,059 tons valued at Rs 92 7 lakhs in 1934-35 as against 377,514 tons valued at Rs 85 lakhs in 1933-34, 218,384 tons (Rs 74 lakhs) in 1932-33, 350,858 tons (Rs 123 lakhs) in 1931-32, 439,135 tons (Rs 170 lakhs) in 1930 31 and 568 813 tons (Rs 259 lakhs) in 1929 30 During 1934 35 U K took 98,481 tons, Japan 245,552 tons and U S A 29,828 tons

It was the great genius of Sir J N Tata who saw possibilities of starting an iron and steel industry and actually gave shape and form to his ideas Since the discovery of iron belt in 1905, the exports of pig iron were going considerably up It was in 1907 that the Tata Iron and Steel Company was established to put a stoppage to the exports of iron ore Pig iron was first produced in December, 1911 and steel in 1913 In the second year of production July 1931 to July 1914 the output of pig iron was 155,583 tons, and of finished steel 48,872 tons During the war the demand for iron and steel increased and other companies came up to manufacture iron and steel

For some years the production of iron one in India had been steadily on the increase and India is now, in fact, the second largest producer in the British Empire, and yields place only to the United Kingdom Her output is of course still dwarfed by the production in the United States (10 million tons in 1932) and France (27 million tons in 1932) The companies chiefly engaged in the extraction of iron and steel are Tata Iron and Steel Co Ltd (from Noamundi mines), Bengal Iron Co Ltd (from Pansira, Ajita and Maclellan mines), Indian Iron and Steel Co Ltd (from Gua mines), United Steel Corporation of Asia (from Keonjhar mines) and Mysore Iron Works Of them the only company which manufactures steel is the Tata Iron and steel Company Besides these there are 114 indigenous furnaces at work in the Central Provinces

PRODUCTION FIGURES.

The quantity of pig iron manufactured during 1934-35 was 1,343,075 tons, as against 880,222 tons in 1933-34 The production of pig steel (including steel rails) rose from 590,778 tons in 1932-33 to 834,030 tons

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in 1934-35. Figures of production of various iron and steel manufactures follow.—

	1932-33	1933-34 (in tons.)	1934-35
Pig Iron			
Basic	631,763	846,621	967,561
Foundry	248,459	262,760	375,514
	880,222	1,109,390	1,343,075
Iron Casting & Manufactures			
Iron Castings	43,844	64,232	77,968
Steel Castings	2,926	3 464	2,615
Miscellaneous Castings	218	239	258
	46,988	67,935	80,841
Steel Ingots	590,778	720,917	834,030
Rails, heavy others & above	37,671	35,190	78,293
Rails, light, below 50 lbs.	462	——	247
Beams	60,511	66,881	85,225
Bars	93,313	107,052	124,529
Channels	2,302	10,760	8,658
Angles	26,093	44,841	31,672
Tees	11,489	10,373	10,699
Fishplates	2,394	1,684	3,474
Steel Sleepers	7,620	3,587	14,170
Tin Bars	53,520	61,882	71,133
Sheet Bars	22,167	36,427	——
Plates	28,931	49,025	34,070
Sleeper Bars	——	871	4,957
Black Sheets	12,502	24,534	21,007
Galv. Sheets			
Plain	10,007	11,748	17,504
Corrugated	36,859	47,386	54,147
Other Miscellaneous	28,753	38,455	67,573
TOTAL	441,594	550,696	627,358

The principal items in the case of finished steel goods under which increase occurred were rails, sleepers, galvanised sheets and bars, beams and channels. There was an increase of 76,000 tons in the total production of finished steel.

TATA IRON & STEEL CO.

The workshops of Tata Iron and Steel Co Ltd. are situated at Jamshedpur on the Bengal Nagpur Railway. The works is one of the largest units in the world and generates its own power and is equipped with 6 blast furnaces, 7 stationary open hearth furnaces, 2 furnaces for steel making, coke ovens, steel mills, etc The company is now pushing on vigorously with the relining of the blast-furnace stoves, which will enable it to obtain the maximum benefit from the new gas-cleaning plant. The second new sheet-mill unit is rapidly approaching its estimated output and will probably surpass it before the year is over The company is completely rebuilding one of the old small blast-furnaces so as to give it a fourth large furnace of entirely modern type.

The company have ordered the first battery of a new coke-oven plant which will replace the old and now obsolete plant and will enable substantially to reduce the costs and make it less dependent on outside supplies of coke Most recently of all, the company have ordered a

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new electric power plant to cope with the steadily increasing demand for power and to produce power more cheaply The last improvement in the works is the building of new laboratories to accommodate the whole of the scientific and research staff

Output.

The output of the principal products during the year 1934-35 in comparison with that of the preceding year, was as follows —

	1933-34 Tons	1934-35 Tons
Coke	709,000	726,000
Pig Iron	842,000	892,000
Steel Ingots	721,000	834,000
Saleable Steel	531,000	604,000

The production was the highest so far attained in any one year An increased output was recorded in all products except plates, the demand for which was not maintained in 1934-35 The equipment in the works was maintained in first-class condition throughout the year and many improvements were made The installation of the second unit of the sheet mills was practically completed during the year and all items of this unit were brought into operation shortly after the end of the year The preliminary difficulties attendant on the operation of a new type of equipment are being rapidly overcome The blast-furnace gas cleaning plant was so far completed that it has been possible to clean the gas from November 1934 onwards Certain adjustments are still being made by the contractors' representatives The construction of the coal mixing bunkers at the coke ovens was nearing completion at the end of the financial year They have since been brought into operation An order for the new coke ovens and by-product plant was placed in February 1935 It is expected that the new ovens and plant will be in full operation early in 1937 The regular production of high-tensile steel was commenced during the year The trade name "TISCROM" has been registered for the high-tensile steel produced by this company

Despatches

The despatches from the company's properties have been —

	1933-34 Tons	1934-35 Tons
Iron Ore	1,354,000	1,429,000
Limestone	39,000	30 000
Dolomite	13 000	19,000
Manganese Ore	24,000	4,000
Fireclay	8,000	7,000
Total	1,449,000	1,499,000

Coal despatched from the company's collieries has been —

	1933-34 Tons	1934-35 Tons
Jamadoba	423,000	415,000
Malkera-Choitodih	126,000	132,000

The company's other collieries remained closed during the year

The despatches of rails and fishplates improved substantially during the year, although the demand still left much to be desired The sales of other products were pushed as energetically as possible in all areas Direct selling in the Madras Presidency progressed satisfactorily and there was greater activity at several of the stockyards Every effort was

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made to avoid the disturbing effect of the reduction of duties under the new Steel Protection Act which came into operation on 1st November, 1934 and to minimise the effect of the increase in freights on the East Indian Railway The quantities of steel despatched to customers during the year, including small quantities used in the company's own works were as follows, in comparison with the preceding year —

	1933-34 Tons	1934 35 Tons
Rails and Fishplates	40,000	76,000
Bars and Light Structural	155,000	175,000
Heavy Structural	88,000	88,000
Plates	48 000	39,000
Black Sheets	17 000	21 000
Galvanized Sheets	60 000	73,000
Tin Bars	61,000	75,000
Sleeper Bars and Sleepers	5 000	22,000
Blooms, Billets and Sheet Bars	65,000	44 000

The average daily attendance of labour at the works during 1934 35 was 17 420 compared with contractors labour The convenanted staff on the pay roll of the company on the 1st April, 1935 was 61 compared with 64 on the 1st April, 1934

OTHER COMPANIES

The Indian Iron and Steel Company was floated in 1918 but it could not commence operation before 1923 The workshops are situated at Burnpore about 142 miles from Calcutta The factory is equipped with 2 blast furnaces of modern design and coke ovens No 2 furnace which was blown out in December 1934 has since been relined and was put into blast again during the month of June The company manufactures pig iron and foundry iron for casting The production of pig iron during 1933 was 249 079 tons as against 198 700 tons in 1932

Bengal Iron Company, Ltd. is situated at Kulti on the East Indian Railway The factory is equipped with 5 blast furnaces, coke ovens and bye-product plant The company formerly manufactured pig iron but its activities are now restricted to sleepers and cast iron pipes Owing to the increased demand for pig iron it is decided to restart No 5 furnace, and this has since been working satisfactorily and producing good quality pig iron

Mysore Iron Works, owned by the Government of Mysore, is situated at Bhadravati During 1934 the company manufactured 14 805 tons of pig iron as against 14 683 tons during the previous year

A steel plant is recently being erected at the Works at Bhadravati and it is expected that its products will be marketed regularly from the beginning of next year

The plant consists of an open hearth furnace and a rolling mill, with roughing and finishing stands for the manufacture of commercial steel sections and steel hoops The annual production will be about 20,000 tons of rolled sections in common demand, comprising flats, rounds and square bars light structurals such as angles, channels, beams, and tees and hoops up to 1½ inch width

The value of the products manufactured at the Iron Works is at present about Rs 12 lakhs, and this will be increased to about Rs 30 lakhs with the manufacture of steel products

IMPORTS.

Imports into India of all classes of iron and steel, including pig or old iron or steel in 1934-35 were returned at 370,000 tons as compared with 329,000 tons in the preceding year, an increase of about 12

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per cent Imports of pig iron declined from 2000 tons in 1933-34 to 1,500 tons in 1934-35, the entire quantity having been received from the United Kingdom The following table gives the quantity and value of various descriptions of iron and steel goods imported into India during 3 years ending 1934-35

	1932-33	1933-34	1934-35	1932-33	1933-34	1934-35
	(Quantity in 1,000 tons)			(Value in lakhs of Rs)		
Steel Angle and Tee	11 8	11 4	13 8	10 2	10 9	14 1
Steel Bars (other than cast steel)	69 2	66 1	62 6	56 8	63 0	68 8
Beams, Channels, Pillars, Girders and Bridge Work	15 7	19 2	22 3	15 3	21 0	23 5
Bolts and Nuts	6 5	7 6	10 2	18 3	21 1	28 6
Fencing Materials	4 5	5 7	7 3	14 2	14 9	18 1
Hoops & Strips	24 3	28 1	34 5	27 6	35 8	45 3
Nails, Rivets & Washers	10 5	10 6	12 2	30 7	28 3	32 1
Galvanised Sheets and Plates	72 7	60 8	58 8	123 4	113 4	110 9
Tinned Sheets & Plates	7 0	7 2	5 6	19 5	21 4	17 0
Sheets or Plates, not Galvanised or Tinned	22 1	23 8	31 4	27 1	31 0	42 6
Rails & Fishplates	1 7	3 0	5 3	4 4	5 9	7 5
Tubes & Pipes	23 5	29 0	34 9	61 7	71 6	88 8
Wire Nails	13 2	11 9	15 7	23 3	20 0	24 1
Wire Ropes	2 0	2 3	3 2	10 7	11 5	15 5
Castpipes & Fittings	2 1	3 4	1 6	6 0	7 6	6·9
Sleepers & Keys	3 4	2 9	4 3	4 3	4 2	6 5

DETAILS OF IMPORTS

Although a smaller total quantity of bars other than cast steel was imported during the past year the higher prices prevailing resulted in an increase in the value of the imports under this heading The total arrivals were 62,634 tons as compared with 66,131 tons in the previous year The value, however, rose from Rs 63 lakhs to Rs 68 8 lakhs Practically the whole of the increase was credited to the United Kingdom, whose imports rose from 14,953 tons to 18,159 tons The share of Belgium fell slightly from 27,677 tons to 25,250 tons The shares of Luxemburg, France and Germany also declined The imports from Luxemburg fell from 12,811 tons to 10,972 tons, and from Germany from 3, 142 tons to 2,891 tons The share of France fell to a greater extent, from 5,469 tons to 2,806 tons

An increase of about 12 per cent in the value of the total imports of beams, channels, pillars, girders and bridgework was registered in this trade, from 19,197 tons (Rs 21 lakhs) to 22 273 tons (Rs 23 5 lakhs) The United Kingdom's share was practically stationary, being in the year under review 9,882 tons as compared with 9,159 tons in the previous year The imports from Germany although comparatively small in volume, registered a considerable increase, from 2,295 tons to 4,395 tons The imports from Belgium also showed an increase, from 5,083 tons to 5,826 tons

There was a satisfactory expansion in the imports of bolts and nuts from 7,567 tons to 10,152 tons Imports from the United Kingdom rose from 1,406 tons to 1,994 tons The imports from Germany rose from 740 tons to 1,773 tons The lower-priced imports from Belgium increased from 3,460 tons to 4,242 tons

There was a fair improvement in the total volume of fencing material including fencing wire, the imports rising material including

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fencing wire, the imports rising from 5,654 tons to 7,253 tons The imports from the United Kingdom rose from 714 tons to 1,202 tons From Germany the imports increased from 1,256 tons to 2,049 tons. Belgian imports fell from 1,060 tons to 972 tons

There was a considerable advance in the imports of hoops and strips as a result of the improvement in the jute and cotton-baling industries, The total imports rose from 28,070 tons to 34,408 tons Imports from the United Kingdom rose from 12,762 tons to 13,495 tons German imports increased from 3,521 tons to 3,945 tons The share of Belgium increased from 7,741 tons to 9,955 tons

The total value of the imports of nails, rivets and washers (other than wire nails) showed an expansion of about 15 per cent, the imports rising from 10 614 tons to 12,155 tons The share of the United Kingdom rose from 3,990 tons to 4,430 tons The shares of both Sweden and Norway rose slightly, Sweden from 1,401 tons to 1,423 tons and Norway from 1,386 tons to 1,450 tons The imports from Germany improved from 386 tons to 566 tons The imports from Belgium rose from 2,171 tons to 2 760 tons

There was a considerable fall in the quantity of the imports of cast pipes and fittings from 3,354 tons to 1,367 tons The fall was mainly felt by countries other than the United Kingdom

There was an expansion in the import trade of rails, chairs and fishplates from 3 002 tons to 5 290 tons Practically the whole of this trade was enjoyed by the United Kingdom

The imports of screws rose from 1,447 tons to 1,657 tons The United Kingdom increased her trade from 361 tons to 437 tons

Imports of galvanised sheets fell from 60,838 tons to 58,816 tons The share of the United Kingdom however, which country secures practically the whole of the trade, rose slightly from 51,700 tons to 52,764 tons The shares of Belgium and of Japan showed a marked decrease In tinned plates again, the expansion in the local production resulted in a considerable fall in the volume of this import trade from 7,243 tons to 5,586 tons The share of the United Kingdom fell from 4,984 tons to 3,885 tons The share of German was reduced almost to vanishing point

There was a considerable expansion in the imports of sheets and plates (not galvanised or tinned) from 23,803 tons to 31,443 tons The share of the United Kingdom increased from 20,281 tons to 25,747 tons The competition from other countries was negligible

There was a considerable increase in the imports of sleepers and keys of steel or iron for railways amounting to 50 per cent in the volume of this trade, which is almost entirely in the hands of the United Kingdom The total imports rose from 2,872 tons to 4,263 tons

There was a satisfactory expansion in the imports of wrought tubes, pipes and fittings from 29,046 tons to 35,167 tons The share of the United Kingdom rose from 13,557 tons to 15,546 tons, while the competition from Germany increased very materially The actual figures of the Japanese imports were 952 tons in 1933-34 as compared with 1,146 tons during last year The respective figures for France were 1,228 tons and 1,010 tons, and for Belgium 753 tons and 1,210 tons

There was an increase in the imports of wire nails from 11 942 tons to 15,653 tons, the share of the United Kingdom being negligible The great bulk of the imports came from Belgium and Japan Those from the latter country rose from 4,512 tons to 6,313 tons, while from Belgium the arrivals advanced from 4,005 tons to 5,262 tons The imports from Germany rose from 1,180 tons to 1,636 tons

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Increases were also registered in the imports of wire rope The imports rose from 2 328 tons to 3,155 tons A great bulk of this trade was credited to the United Kingdom

The imports are drawn chiefly from the United Kingdom, Belgium and Germany The quantity imported from each of these countries during the 3 years ending 1934 35 is given below —

	1932 33	1933 34	1934 35
		(in 1 000 tons)	
United Kingdom	140	166	182
Germany	22	23	32
Belgium	104	72	74
France	12	13	12
U S A	2	2	3
Other Countries	46	53	67
TOTAL	326	329	370

The year witnessed a substantial improvement in the iron and steel industry of the world The total world production of pig iron advanced from 48 5 million tons in 1933 to about 61 million tons in 1934 while that of steel advanced from 66 million tons to about 80 million tons The increase in the import was most marked in Germany The British iron and steel industry also made marked advances and in spite of an increase in foreign imports into the United Kingdom the production was much higher than in any year since 1929 The record of the Indian industry also showed considerable progress over the preceeding one The production of pig iron in India advanced from 1,109,390 tons to 1,343 075 tons while that of steel ingots rose from 721 000 tons in 1933 34 to 834,000 tons in the year under review an increase of 113,000 tons or 15 7 per cent

TARIFF BOARD ON IRON AND STEEL

The industry has been helped by bounties and protection granted to it by the Indian Government It was allowed a bounty before the Steel Industry (Protection) Act came into operation in 1927 As the period of protection was due to expire in 1933-34, a Tariff Board was set up to examine the present conditions According to the Board an examination of the present and future works costs reveals that substantial reductions in costs anticipated by the Board in 1926 have been fully realised Making allowance even for the remarkable fall in the prices of coal and spelter, the costs of production are lower than anticipated except in the case of rails and fishplates The members of the Board believe that the costs will be still further reduced by the proposed capital improvements and by the anticipated increase of output

The realisation of the Tata Iron and Steel Company, which is practically the one company in India manufacturing steel on a large scale, fell short of anticipations for several reasons —

(i) fall in prices

(ii) Increased freight charges to more distant markets

(iii) failure of anticipated demand from railways and engineering firms (the average output of steel anticipated was 500,000 tons, the actual output in six years averaged 404,000 tons per annum)

(iv) the strike

(v) the 'lag' between realised prices and import prices plus duty

Having added to costs of production, the overhead and capital charges the Board determined the fair selling price for Tatanagar To these prices were added allowances for freight disadvantage, selling

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expenses and the lag between import and realised prices, thus arriving at a fair selling price which is comparable with the landed prices of imported goods

PRESENT SITUATION.

New protective duties, very complicated in their nature have been laid down in 1934 Act This, along with Imperial preference to the United Kingdom, has brought about a marked fall in prices for rails In the annual meeting of the Tata Iron and Steel Co Ltd, the president said, "A further outcome of the new scheme of protection has been that the contract price for rails has been reduced by Rs 15 per ton The reduction of the duties also inevitably produced a temporary disturbing effect in the market which we did our best to minimise Our realisations under the new scheme of duties are naturally lower than those under the old scheme but we hope to be able to show satisfactory results, so long as the c i f prices of imported steel do not fall below the levels assumed by the Tariff Board Some products are now down to the pre-war level India can now buy galvanized sheets and rails from Indian source at prewar prices

"As regards the excise duty, I urge that Government should regard it strictly as an emergency duty, which should definitely be removed along with the excise countervailing duties, as soon as the state of finances permits the removal of the other 'emergency duties' with which India is still burdened"

LOCOMOTIVE MANUFACTURE IN INDIA

Since 1921 the question of possibilities of manufacturing locomotives in India has been before the Legislative Assembly It may be recalled that the matter was referred to the Tariff Board for investigation The Board recommended that on national grounds it was essential to establish the industry Companies were started for the manufacture of wagons but these failed for paucity of orders from Railways In 1929 Government intervened and purchased the company's workshop and manufactured under-frames Later, even the demand for under-frames was not enough, and, accordingly, the works were closed Despite this dismal history, the Railway Board re-examined the question and found that a yearly demand for 200 locomotives was necessary to make the works pay Later, another estimate was prepared, and according to it, even if 50 or 60 locomotives could be manufactured yearly, the works could start, but it was found that the Tatanagar Works were unfit and that it would be necessary to invest 8 lakhs of rupees to start a new workshop

Hardly had this scheme been worked out, when prices of locomotives fell further, making the proposition uneconomic The Railway Board thought they might start with a boiler factory and found it would cost them at least Rs 23,800 per boiler, against Rs 20,500 for each imported boiler The reason was that 50 per cent of the material in the case of locomotives and 95 per cent in the case of boilers had to be imported for manufacture and skilled hands would also have had to be imported to begin with, adding to the overhead charges

The question was again raised in the autumn session of the Legislative Assembly when a resolution was carried that immediate steps be taken to equip the State railway workshops with the necessary additional plant and machinery to ensure the manufacture of all locomotive requirements within the railway workshops

THICK TYPE INSERTIONS IN THESE PAGES ARE PROFIT MAKING—SURELY.

AGRICULTURAL RESOURCES IN INDIA.

EXTENSIVE fertile tracts watered by a net-work of rivers and canals render India traditionally an agricultural country. Her fame as a producer of enormous stores of raw materials spreads to far off countries. Over and above this India possesses practical monopoly of production so far as certain commodities are concerned An account of the principal agricultural crops of India is given below :—

COTTON.

India is one of the biggest cotton producing countries of the world, being second only to the United States of America A striking feature connected with the cotton crop of India is the rapidity with which its area has extended Since the beginning of this century the area under cotton has increased considerably as a result of the world's increasing demand for it There has been remarkable extension of area under cotton through irrigation in Northern India as well as in the Central Provinces and there appears to be the promise of a much greater increase in the production of Indian cotton of good quality in the extreme South of the Peninsula

Of late years the quality of the Indian cotton has improved due to successful acclimitization of American cotton in the Punjab and Sind which are now watered by perennial canal systems

Acreages and Yeild.

Cotton is grown all over India The area under cotton and yield during the last few areas are shown under each province —

	1933 34	1934-35	1935 36	1933 34	1934-35	1935-36
	(Area in 1,000 acres)			(Yield in 1,000 tons)		
Bombay (a)	6,469	6,599	6,538	1,421	1,300	1,484
C P & Berar	4,270	4,201	4,160	758	597	644
Punjab	2,989	2,884	3,542	1,105	1,242	1,486
Madras	2,175	2,135	2,605	452	446	545
United Provinces	811	715	596	266	194	195
Burma	445	457	493	102	93	105
Bengal	76	74	73	24	24	24
Bihar & Orissa	42	42	38	8	8	7
Assam	37	34	35	15	13	14
Ajmer-Merwara	36	36	35	13	12	13
N-W F. P.	21	15	15	4	4	3
Delhi	3	4	2	—	1	1
Hyderabad	3,696	3,079	3,678	564	438	622
Central India	1,152	1,173	1,210	154	131	177
Baroda	731	800	837	90	69	148
Gwalior	614	633	602	59	58	122
Rajputana	493	492	486	65	64	78
Mysore	77	70	82	8	8	11
TOTAL	24,127	23,442	25,025	5,108	4,703	5,670

THICK TYPE INSERTIONS IN THESE PAGES ARE PROFIT MAKING—SURELY.

World's Cotton Crop.

The estimated acreage and yield of the cotton crop of the world follows —

Countries	1932-33 Area (1,000 acres)	1932-33 Yield (1,000 bales)	1933-34 Area (1,000 acres)	1933-34 Yield (1,000 bales)	1934 35 Area (1,000 acres)	1934 35 Yield (1,000 bales)	1935-36 Area (1,000 acres)	1935-36 Yield (,1000 bales)
United States of America	35,939	13,002	29,978	16,309	27,515	12,164	27,331	13,417
India	22,125	4,437	23,854	5,015	23,407	4,318	25,025	5,679
China	5,631	2,709	6,025	3,278	6,803	3,498	5,388	2,796
Egypt	1,135	1,227	1,873	2,123	1,798	1,932	1,733	2,091
Uganda	1,070	289	1,091	260	1,171	240	1,367	—

Bales of 400 lbs

Trade Descriptions.

A statement showing the present reported estimates of area and yield according to the recognised trade descriptions of cot on, as compared with those of the preceding year, is given below

	Acres (thousands)		Bales of 400 lbs each (thousands)		Yield per acre (lbs)	
	1935	1934	1935	1934	1935	1934
Oomras—	-36	35	-36	-35	-36	-35
Khandesh	1,279	1,108	295	247	92	89
Central India	1,812	1,806	299	189	66	42
Barsi and Nagar	2,459	2,070	440	299	72	58
Hyderabad—Gaorani	937	868	140	130	60	60
Berar	2,861	2,915	437	465	61	64
Central Provinces	1,299	1,286	207	132	64	41
TOTAL	10,647	10,053	1,818	1,462	68	58
Dholleras	1,951	2,715	421	496	86	73
Bengal-Sind—						
United Provinces	596	715	195	194	131	109
Rajputana	521	528	91	76	70	58
Sind-Punjab	2,482	2,556	1,011	1,048	163	164
Others	44	48	9	10	82	83
TOTAL	4,168	3,847	1,306	1,328	143	138
American—						
Punjab	1,541	841	669	398	174	189
Sind	378	211	152	86	161	163
TOTAL	1,919	1,052	821	484	171	184
Broach	1,356	1,362	306	164	90	48
Coompta-Dharwars	1,410	1,088	189	128	54	47
Westerns and Northerns	2,101	1,424	268	147	51	41
Coconadas	166	176	27	34	65	77
Tinnevellies	481	465	124	107	103	92
Salems	173	182	35	32	81	70
Cambodias	567	487	221	188	156	154
Comillas, Burmas and other sorts	616	592	143	132	94	89
GRAND TOTAL	25,025	23,443	5,679	4,702	91	80

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Exports.

After meeting her own demands India is left with a large surplus of short staple cotton which she has been exporting chiefly to Japan, China, Germany, Italy, Belgium, Austria-Hungary and France The figures for exports during the last few years follow —

	1930-31	1931-32	1932-33	1933-34	1934-35
Quantity (in 1,000 bales)	3,926	2,369	2,063	2,729	3,446
Value (in lakhs of Rs.)	46,73	23,78	20,70	26,59	34,50

Raw cotton is exported mainly to Japan The following table gives exports to various countries —

	Pre-War Average	War Average	Post-war Average	1933-34	1934 35
		(in 1,000 bales of 400 lbs each)			
United Kingdom	122	212	152	342	347
British Empire including U K	30	21	13	3	6
Japan	1,012	1,373	1,540	1,022	2,011
Italy	233	249	263	261	278
France	109	69	91	161	148
China	31	48	289	337	142
Belgium	277	44	217	144	153
Spain	50	41	61	61	60
Germany	351	69	198	246	153
Austria	167	33	32	—	—
Other Countries	25	31	61	152	148
	2,407	2,190	2,917	2,729	3,446

Imports of raw cotton into India during 1934-35 showed increase in comparison with imports of the preceding year These amounted to 60,564 tons valued at Rs 528 lakhs as compared with 43,000 tons valued at Rs 3,55 lakhs in 1933-34, and 85,000 tons valued at Rs 7.26 lakhs in 1932-33 The decrease is accounted for by smaller imports from the United States of America as a result of the higher levels of cotton prices ruling in that country More than half the imports in 1934-35 were from British East Africa while Egypt supplied 17,000 tons Imports from the United States of America tailed off from 8,000 tons to below 2,000 tons

Exports from Bombay during 1934-35 amounted to 51 per cent of the total quantity of raw cotton exported from India, those from Karachi were 41 per cent and Madras 4 per cent as compared with 48,41 and 4 per cent respectively in 1933-34

Moreover as a result of pact recently made between the Bombay Millowners Association and Lancashire Chamber of Commerce, Great Britain has given assurance of buying increased quantity of cotton Japan has also agreed to take 1 million bales of cotton annually

JUTE.

The jute fibre for which India holds the monopoly, is cultivated and produced almost entirely in the Ganges-Brahmaputra delta The fibre, which is obtained from the hibiscus and is known as Deccan hemp or Bimlipatam jute, is, for statistical purposes, included under the term jute, and is produced in the Madras Presidency Jute is generally sown from March to May and harvested from July to September

The area under cultivation of jute and the estimated yield follow —

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	1930	1932	1933	1934	1935	1930	1932	1933	1934	1935
	(area in 1,000 acres)					(yield in 1,000 bales)				
Bengal	3,062	1,846	2,169	2,348	1,689	9,966	6,123	7,092	7,749	5,759
Bihar & Orissa	238	170	192	174	146	670	543	473	472	381
Assam	185	127	157	149	112	619	340	447	304	257
TOTAL	3,486	2,143	2,518	2,670	1,947	11,255	7,097	8,012	8,525	6,397

The revised estimated area during 1935 for the three provinces is 1947,000 acres, a decrease of 723,100 acres as compared with the revised final forecast for 1934

The recent decrease in the total output as compared with 1930 is accounted for by the restriction of cultivation in view of heavy fall in prices This season the Government of Bengal is making propaganda for the restriction of crop by 5 annas

The export figures for raw jute during the last few years follow —

	1929-30	1930-31	1931-32	1932-33	1933-34	1934-35
Quantity (in lakhs of bales	45	35	33	32	41 90	42 14
Value (in lakhs of Rs)	27,17	12,88	11,19	9,73	10,93	10,87

Jute is exported mainly to the United Kingdom, Germany, U S A and France

	Pre-War Average	War Average	Post-war Average	1933-34	1934-35
			(in 1,000 bales)		
United Kingdom	1,691	1,295	952	992	932
British Empire (excluding U K)	4	8	5	24	30
U S A	535	523	483	290	289
France	428	198	357	469	465
Italy	213	215	180	364	487
Brazil	15	66	79	107	100
Japan	17	30	60	97	130
Belgium	—	1	174	313	335
Spain	122	172	132	199	241
Germany	920	34	586	926	743
Other Countries	336	57	94	409	462
TOTAL	4,281	2,599	3,102	4,190	4,214

A comparative statement of production, mill consumption and exports may be found interesting

	1929-30	1930-31	1931-32	1932-33	1933-34	1934-35
			(in lakhs of bales)			
Production	103	112	55	71	80	79
Mill consumption July-June	64	46	43	44	43	46
Exports July-June	45	34	31	35	43	44

RICE.

Rice is the greatest economic crop of India, the principal seats of cultivation being Bengal, Bihar and Orissa, Madras and Burma Rice is also grown in fairly large quantities in Central Provinces, Assam Bombay and the United Provinces It is also grown in the Indian States such as Hyderabad, Mysore, Coorg and Baroda Rice crop is greatly influenced by the monsoon, the failure of it having a very

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adverse effect on the output. The output of Burma is however constant, the failure of rains being practically unknown there

The total areas under rice and the yields for respective provinces are shown as under —

	Average of preceding 5 years	1934-35	1935-36	Average of preceding	1934 -35	1935 -36
Bengal	(area in 1,000 acres)			(yield in 1,000 tons)		
Autumn Crop	5,569	5,572	5,851	2,070	1,842	2,015
Winter Crop	15,315	14,760	14,837	6,746	6,222	5,003
Summer Crop	393	408	395	173	209	163
Bihar & Orissa						
Autumn Crop	3,647	3,381	3,135	1,120	924	792
Winter Crop	10,022	10,313	10,016	4,037	3,751	2,612
Summer Crop	41	40	41	15	13	15
Burma	12,804	12,688	12,494	4,884	4,532	5,018
Madras	11,543	11,056	11,000	5,347	4,981	4,904
United Provinces	6,496	6,489	6,690	1,662	1,946	1,990
C P & Berar	6,699	6,762	6 801	1,956	2 059	1,730
Assam	4,503	4,770	4,901	1,480	1,541	1,547
Bombay	3,606	3,542	3,323	1,571	1,595	1,303
Hyderabad	919	1,184	922	275	355	283
Mysore	748	680	733	225	178	210
	82,606	81,980	81,454	31,669	30,261	27,719

The present estimates show a decrease of 1 per cent in area and 8 per cent in yield as compared with those of the last year

Rice crop is known as autumn crop, winter crop or summer crop according as the crop is harvested in autumn, winter or summer

India is the largest producer of rice in the world Her output in 1935-36 amounts to 29 8 million tons as compared with 8 0 million tons in Japan, 5 3 million tons in Java, 2 2 million tons in Cochin-China, 3 2 million tons in Korea, 0 7 million tons in Formosa, 5 1 million tons in Siam and 767,000 tons in U S. A during the same period

India is also a large exporter of rice as the following figures would show —

	Pre-war average	1930-31	1931-32	1932-33	1933 34	1934-35
Rice not in the husk	2,398	2,254	2,301	1,808	1,733	1,593
Rice in the husk	42	25	70	59	11	14

Of the important rice growing provinces Burma alone possesses a large exportable surplus The total exports of Burma in 1934-35 were 1,389,000 tons and her share of the total foreign exports of rice from India was 87 per cent Bengal and Madras contributed 6 and 5 per cent respectively to the export trade

There was a phenomenal increase in the imports of rice not in the husk from 84,024 tons in 1933-34 to 282,918 tons in 1934-35 The shipments were from Siam (246,936 tons) and French Indo-China (33,842 tons) These imports, mostly received in Madras, consisted of broken rice and had a depressing influence on local prices of good rice

The chief foreign purchasers of rice are Ceylon (317,000 tons), China (176,000 tons), Straits Settlements (121,000 tons), Germany (156,000 tons), U K (77,000 tons), Netherlands (57,000 tons), Sumatra (70,000 tons)

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WHEAT.

One-tenth of the world's supply of wheat is produced in India It is grown extensively in the Punjab and the United Provinces, and on a smaller scale in C P, Bombay, Bihar and Orissa and North-West India Indian States also grow enormous quantities of wheat, the most important of them being Central India States, Gwalior State, Punjab State, Rajputana State, Hyderabad State, etc Wheat was grown on 34,478,000 acres in India in 1934-35 The acreage and yield in the most important wheat-bearing regions are given below for reference —

	1928-33	1933-34	1934-35	1928-33	1933-34	1934-35
	(Area in 1,000 acres)			(yield in 1,000 tons)		
Punjab	9,376	9,773	9,038	3,109	2,794	3,043
U P.	7,464	8,453	7,549	2,760	2 537	2,523
C P & Berar	3,246	3,441	3,629	620	715	764
Bombay	2,267	3,147	2,809	468	685	562
Bihar & Orissa	1,216	1,222	1,197	489	476	505
N.-W F Province	1,006	1,041	998	236	239	239
Punjab States	1,340	1,519	1,445	411	459	455
Central India States	1,974	2,082	2,319	314	407	419
Gwalior State	1,195	1,507	1,646	252	302	394
Rajputana States	1,257	1,488	1,520	319	353	383
Hyderabad State	1,194	1,201	1,259	143	149	156
TOTAL	32,516	35,992	34,485	9,380	9,414	9,724

The Indian yield of 9 7 million tons of wheat in 1934-35 compares favourably with 16 3 million tons in U S A, 7 8 million tons in Canada, 3 6 million tons in Australia, 7 5 million tons in Italy, 6 4 million tons in Argentine and 4 6 million tons in Spain

Export and import figures for wheat follow —

	1929-30	1930-31	1931-32	1932-33	1933-34	1934-35
	(in 1,000 tons)					
Exports	13	197	20	2	2	11
Imports	357	232	111	33	18	74

PULSES.

Under the heading pulses come lentils, beans, and peas Gram also belongs to this group, but is generally separately dealt with During the war, when the source of supply for haricot beans from the Danubian provinces was cut off, the Burma white bean was used in Europe instead No statistics giving the area cultivated for pulses are available, the output must, however, be considerable, for pulses are found for sale in every bazar in the country Exports of pulses during the last few years were 82,000 tons in 1930-31, 93,000 tons in 1931-32, 1,11,000 tons in 1932-33, 1,04,000 tons in 1933-34 and 112,000 tons in 1934-35

Gram is the chief pulse grown in India 15,822,000 acres being cultivated for this during 1934-35 The yield was estimated at 3 7 million tons As gram forms an important item in the food of the people of India, only comparatively small quantities are available for export, the figuers being 11,932 tons valued at Rs 18 lakhs in 1930-31, 15,890 tons valued at Rs 17 lakhs in 1931-32, 30,394 tons worth Rs 29 lakhs in 1932-33, 28,867 tons valued at Rs 25¾ lakhs in 1933-34; and 24,793 tons valued at Rs 22½ lakhs in 1934-35

Among the minor grains mention may be made of barley, jowar and bajra and maize

Maize is cultivated in small plots throughout the country Its cultivation on a large scale is only carried out in the Gangetic plain,

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specially in the United Provinces, Bihar and Orissa and the Punjab 6 9 million acres were devoted to this crop during 1934-35 and the yield was estimated at 2 3 million tons The exports are very limited

Barley is cultivated mostly in the United Provinces and Bihar and Orissa The area devoted to the crop in 1934-35 was 6 5 million acres and the yield was estimated at 2 5 million tons

Bajra is grown principally in the Bombay and Madras Presidencies and to a fair extent in the Punjab and the United Provinces The area under cultivation was 16½ million acres during 1934-35 with an yield of 2 5 million tons

Jowar flourishes mostly in Bombay, Hyderabad, Madras, C P, U P and the Punjab The area under cultivation in 1934-35 was 33 million acres The yield was 6 3 million tons

Exports of minor grains from India are as shown below —

	Prewar average	1930 -31	1931 -32	1932 33	1933 -34	1934 -35
Barley	227	1	27	17	—	14
Jowar & Bajra	41	7	59	16	5	4
Maize	49	—	—	—	—	3

OIL SEEDS.

Indian production of oil seeds which comprise linseed, groundnut, cotton seed, castor, sesame rape and mustard, mahua, copra, etc, on a conservative estimate exceeds 5 million tons annually This, besides satisfying in full the local requirements for Indian industries and home consumption, leaves huge surplus for exports

The oil crushing industry is making considerable headway in the country but still there are enormous exports of seeds which are of much economic loss to the country in the shape of loss of oils and oil cakes possessing inestimable value as fertilisers and cattle food The more important of the seeds are treated under respective head —

Castor Seed.

Castor seed is grown very widely all over the country The principal provinces where the plant flourishes most are Hyderabad and Madras which cover between them 70 per cent of the total area under cultivation The crop is also raised in Central Provinces and Berar, Bihar and Orissa, United Provinces where it is grown as a mixed crop, Bombay, Mysore and Baroda The seed is harvested from January to February and the late variety which is grown in September is harvested in March and April The oil besides being used as a lubricant, is now employed in the manufacture of Turkey red oil, required in the dyeing and printing of cotton goods preservative of leather belting, and in leather industries

The total area reported under the castor crop of 1935-36 is 1,452 000 acres as compared with 1,448,000 acres last year The yield is estimated at 122,000 tons exclusive of the seed grown in combination with other crops in the United Provinces for which no reliable data are available The area under the crop in various provinces follows —

	Average of preceding 5 years	1934 -35	1935 -36	Average of preceding 5 years	1934 -35	1935 -36
	(in 1,000 acres)			(yield in 1,000 tons)		
Madras	306	278	262	31	23	26
Bombay	120	120	94	18	12	15
Bihar & Orissa	54	55	40	8	8	5
C P & Berar	41	32	31	8	6	5
United Provinces	9	7	7	2	2	2

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	Average of preceding 5 years.	1934 -35	1935 -36	Average of preceding 5 years	1934 -35	1935 -36
	(in 1,000 acres)			(yield in 1,000 tons)		
Hyderabad	783	786	834	55	47	57
Baroda	74	76	83	6	2	7
Mysore	101	94	101	6	5	5
TOTAL	1,488	1,448	1,452	134	105	122

The exports of castor seed were 104,000 tons in 1931-32, 85,900 tons in 1932-33, 81,519 tons in 1933-34 and 68,749 tons in 1934-35 The exports were valued at Rs 81 lakhs in 1934-35 Of this U S A took 13,884 tons, U K 20,213 tons and France 9055 tons

Copra.

The coconuts grow best in Southern India along the coast line of India and in the deltas of the large rivers During 1928-29 the exports of copra were valued at Rs 85 lakhs while in 1929-30 these amounted to 94 tons only valued at Rs 67,919 The exports further contracted in value in 1930-31, 1931-32, 1932-33 and 1933-34 and were worth Rs 34,000, Rs 14,627, Rs 16,130, and Rs 12,729, respectively In 1934-35 the exports amounted to 59 tons valued at Rs 20,083

Cotton Seed.

Cotton seeds of commerce are grown in association with the floss cotton As a general rule two pounds of cotton seed are obtained when one pound of the actual cotton is produced Calculating on this basis India's production of cotton seed averages 2 million pounds The perfect edibility of refined cotton oil extends its use to every purpose for which animal fats are commonly used ,It is also used either alone or in conjunction with other animal or vegetable fats in the manufacture of soaps and candles About 6,000 tons of cotton seeds valued at Rs 3 lakhs were exported during 1933-34 as compared with 2,000 tons in 1932-33 The United Kingdom took 3,300 tons in 1933-34 In 1934-35 the exports dropped to only 636 tons valued at Rs 39,018

Groundnut.

The groundnut is the seed of the plant Archis hypogola of the natural order Leguminosae The nuts owe their poularity to their nourishing dietary value and cheapness and are otherwise known as pea nuts, earth nuts, and monkey nuts The groundnuts are now-a-days extensively cultivated all over the country and have assumed, an economic importance of the first magnitude in some provinces Groundnuts are gradually displacing other products as a raw material for the manufacture of margarine and edible oils An improvement has been effected in the quality of groundnuts, exported from India, particularly as regards the reduction of fatty acid contents Madras, Burma, Bombay and the State of Hyderabad comprise a little over 97 per cent of the total area under groundnut in India Considerable expansion is in view In Madras, which carries over 50 per cent of the total reported acreage under the crop, varietal and cultural experiments are in progress on a special farm. The introduction of early varieties which do not require irrigation, has given groundnuts the position of being the most important kharif oil seed grown in the Bombay Presidency. Groundnuts have invaded the cotton tracts of the Central Provinces where they are grown either in rotation with or in the place of cotton Burma is another province where groundnut cultivation has made great headway There is a great future for the short-season types,

Manufacture Pickles & Chutneys at Home. 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept., Calcutta.

as they do well even in light sandy soils. The groundnut has become very popular on the poor soils of Chota Nagpur.

	1929-34	1934-35	1935-36	1929-34	1934-35	1935-36
	(area in 1,000 acres).			(yield in 1,000 tons).		
Madras	3,342	2,351	2,493	1,605	920	1,143
Bombay (including Indian States)	1,610	1,516	1,240	683	530	529
Burma	541	625	638	154	144	143
C. P. & Berar	(a)	149	135	(a)	38	37
Hyderabad	817	962	1,059	243	224	287
Mysore	(a)	163	187	(a)	27	28
TOTAL (b)	6,410	5,766	5,752	(a)2,685	1,883	2,167

(a) Not available (b) Excluding C. P. & Berar and Musore,

The total area returned is 5,752,000 acres in 1935-36 as compared with 5,766,000 acres in 1934-35 or a decrease of 0.2 per cent. The total yield is estimated at 2,157,000 tons of nuts in shell as against 1,883,000 tons last year, or an increase of 15 per cent. The condition of the crop on the whole is reported to be fairly good.

Groundnuts are exported to a considerable extent. The exports amounted to 672,000 tons in 1931-32; 432,000 tons in 1932-33, 5,47,000 tons in 1933-34 and 510153 tons in 1934-35. The value of the exports was Rs 10,13 lakhs in 1931-32; Rs 7,12 lakhs in 1932-33, Rs. 6,63 lakhs in 1933-34, and Rs. 592 lakhs in 1934-35. The principal customers of Indian groundnuts are France, Germany, Netherlands, Belgium and Italy In 1934-35 the quality purchased by each of them was France 76,761 tons, Netherlands 63,415 tons, Germany 43,688 tons, United Kingdom 46,570 tons, Italy 40,318 tons. Egypt entered the market and took 136,616 tons valued at Rs 163 lakhs.

The chief ports of export are Madras and Bombay. Out of the total exports; Madras was responsible for 83 per cent. and Bombay for 16 per cent.

The diminished exports to France are attributable to import duties levied in France on groundnuts other than those grown in French Colonies.

Linseed.

Linseed is an important winter oil seed of India growing principally in the United Provinces, Bihar and Orissa and the Central Provinces. The other places where the oil seed is also cultivated are Bombay, Bengal, Punjab, Hyderabad and Kotah.

It is the seed of the common flax or lint, botanically recognised as Linum usitatissimum. This is a rabi crop, being sown from August to October and harvested from January to April.

The season of sowing varies greatly for the two Presidencies and even for the districts of the same Presidency. Taking the general case, it appears that the crop is sown from May to August and is harvested from November to January. A summer variety is also grown in Madras forming 5 per cent. of the total area under the crop. This variety is sown in February-March and harvested in July-August. It may be added that as a general rule Bombay crop comes in season in November and the Madras crop six weeks after on the average.

Linseed is grown outside India chiefly in U. S. A. (2 million acres; 375,000 tons), in Canada (215,000 acres; 36,000 tons), Argentina (15,170,000 acres; 1,259,000 tons), the figures within the brackets showing the corresponding figures during 1935. Linseed grown outside India is

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept., Calcutta.

larger and plumper than that obtained in India but linseed of India yields the superior variety of oil The acreage and yield of linseed in the different provinces follow —

	Average of preceding 5 years	1933 -34	1934 -35	Average of preceding 5 years	1933 -34	1934 -35
	(area in 1,000 acres)			(yield in 1,000 tons)		
C. P. & Berar	956	1,061	1,107	77	90	97
United Provinces						
Unmixed	260	213	240	44	31	39
Mixed	582	593	622	98	85	100
Bihar & Orissa	654	631	599	100	92	93
Bombay	137	130	122	15	14	12
Bengal	123	124	126	20	24	27
Punjab	29	32	27	3	3	3
Hyderabad	268	367	399	17	26	34
Kotah	87	73	92	7	7	8
Bhopal	—	37	47	—	4	5
	3,096	3,261	3,381	381	376	418

The exports amounted to 120,000 tons valued at Rs 153 lakhs in 1931-32, and 72,190 tons valued at Rs 91 lakhs in 1932-33, 379,000 tons in 1933-34 and 238,000 tons valued at Rs 3,00 lakhs in 1934 35 Out of the quantity exported in 1934 35 United Kingdom took 109,000 tons as against 176,400 tons in 1933-34 United States of America took 64 800 tons, France 13,700 tons and Italy 10,100 tons. The trade in linseed was divided between the ports of Bengal and Bombay in the proportion of 40 and 55 p c

The oil obtained from the seeds, known as linseed oil has met with extensive uses due to its drying properties in the manufacture of paints, printing ink floor cloth vulcanised rubber, in varnish, and soft soap

Mahua Seed

Mahua seeds are obtained from the fruits of Mahua trees botanically known as Bassia latifolia These are large deciduous trees found in abundance in dry and stony regions of Bengal and in fact over the greater part of Central India, Another species of Bassia which yields a similr vegetable fat is Bassia logifolia, which is an evergreen tree met with in South India and is known as ippa, yeppa, illipi, etc

The season for collecting mahua seeds is very short, viz, from the middle of May till the break of the monsoon, and unless previous arrangements are made a large proportion of the crop becomes spoilt and is lost to commerce

The oil is of value to the soap and candle manufacturers and is available in the Central Provinces Chota-nagpur and Western India The trade is marked with great variations, before the war about 27,000 tons of seeds were exported annually whereas in 1928 29 only 7,000 tons were left for export In 1929-30 the exports further dropped to 402 tons valued at Rs, 63,100, improved to Rs 1 5 lakhs in 1930-31 but again dropped to Rs 22,000 in 1932-33 There was practically no export during 1933-34 and 1934-35

Rape Seed and Mustard Seed.

Much confusion exists between the rape seed and mustard seed of commerce Both of them belong to the genus Brassica but while rape seed denotes the species of Brassica Capestris, mustard seed denotes the species of Brassica Juncea

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The cultivation of rape seed is pre-eminently restricted to the northern part of India, there being, so to speak, only limited area under tillage in Southern India The principal provinces where rape seed is grown are the United Provinces, Bengal, Punjab and Bihar and Orissa

The crops are sown either in October or November and gathered in February and March and sometimes as early as January for the purpose of cattle fodder

The acreage under rape seed and yield are illustrated by the following figures —

	Average of preceding 5 years	1933 -34	1934 -35	Average of preceding 5 years	1933 -34	1934 -35
	(area in 1,000 acres)			(yield in 1,000 tons)		
United Provinces						
Unmixed	279	219	206	45	31	30
Mixed	2,677	2,594	2,444	413	372	357
Punjab	1,198	1,099	695	158	131	102
Bengal	732	693	724	138	164	180
Bihar & Orissa	664	598	600	153	135	137
Assam	328	329	307	56	57	49
Bombay	239	222	150	27	24	14
N-W F Province	112	112	67	9	9	6
C P & Berar	68	74	71	15	16	17
Alwar	62	38	20	6	1	2
	6,404	6,034	5,316	1,022	943	895

The exports of rape and mustard seed during the five years ending 1934-35 amounted to 33,000 tons, 54,000 tons, 114 546 tons, 73,500 tons and 36,934 tons in 1934-35

Of the total shipments in 1934-35 the United Kingdom 12,200 tons Netherlands 7,000 tons, France 5,200 tons, Germany 4,200 tons and Italy 3,400 tons The exports valued at Rs 81 lakhs in 1933-34 and Rs 42 lakhs in 1934 35 Of the total quantity exported from India in 1934-35 98 per cent was shipped from Karachi

Sesamum.

Sesamum is the seed of Sesamum Indicum, an annual herbaceuous plant growing copiously in the tropical and sub-tropical parts In India it is cultivated extensively all over the country and especially in Bombay, Burma Madras and Central Provinces

Sesamum is grown as a pure crop all over India and in certain localities such as U P as a mixed crop There are two crops, a rabi and a kharif one and various cultivated forms of the plant, some specially suitable for growing in the kharif season, other as early as rabi crop Two at least of these are easily recognised, one with white seed and the other with black The latter is much the more common form and is reputed to yield a superior oil

The total area reported during 1935-36 is 5,377,000 acres as against 5,028,000 acres last year, showing an increase of 6 9 per cent The total yield is estimated at 436,000 tons as against 381,000 tons showing an increase of 14 4 per cent

A large portion of the seed is used for local consumption Exports of sesamum were 12,000 tons in 1931-32, 10,322 tons in 1932-33, 15 261 tons in 1933-34 and 4,200 tons in 1934-35 The exports were valued at Rs 23 lakhs in 1931-32, Rs 19 5 lakhs in 1932-33, Rs 22 2 lakhs in 1933-34 and Rs 7 5 lakhs in 1934-35 During 1934-35 Italy took 800 tons

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	Average of last 5 years	1934 -35	1935 -36	Average of last 5 years	1934 -35	1935 -36
	(area in 1 000 acres)			(yield in 1,000 tons)		
Burma	1,413	1 439	1,513	57	56	51
United Provinces						
Unmixed	341	252	260	33	22	25
Mixed	872	805	921	86	71	78
Madras	788	463	501	103	53	62
Bombay	622	617	536	74	59	70
C P & Berar	550	338	429	43	20	35
Bihar & Orissa	196	202	199	30	30	23
Bengal	158	158	166	30	35	36
Punjab	128	108	88	11	8	7
Hyderabad	570	509	588	31	22	35
Baroda	74	69	55	5	3	4
Kotah	45	38	34	4	1	3
TOTAL	5 777	5 028	5,377	508	381	436

TOBACCO

Tobacco is one of the most valuable crops grown in India, about 39 per cent of the total quantity of tobacco produced in the world being grown in this country The estimated area under tobacco amount to 12 million acres approximately There has been a steady increase in area during the past quinquennium with a 30 per cent increase on the pre-war average The tobacco growing provinces in India are named in order of their importance —Bengal (286,000) Madras (248 000), Bihar and Orissa (140 000), Bombay (144 000), Burma (103 000), United Provinces (81 000) Hyderabad (73 000) Punjab (49 000), Mysore (25 000) Central Provinces (13 000), Assam (14,000) etc, the figures within the brackets standing for the area under tillage during 1933 34 The total production of tobacco is nearly 1 342 million lbs The annual value of the crop is placed at about ten to fifteen crores of rupees The leaf produced in India is generally of coarse heavy type with a dark colour and a strong flavour, as such it suits the local market and the bulk of the crop is consumed in the country The export trade is in the neighbourhood of thirty million pounds a year, the largest purchaser being the United Kingdom where Indian leaf is used principally for mixing with other leaf in the preparation of pipe tobacco Unfortunately none of the indigenous tobaccoes of India possesses the properties of a good cigarette tobacco It is happy that the Agricultural Departments of India are turning attention to the production of tobacco similar in colour flavour and texture to the recognised Virginian tobacco which would be suitable both for home consumption and for export The result would be valuable, as at present India has to import Virginian tobacco and also pipe tobacco cigars and cigarettes The annual consumption of cigarettes in India is estimated at 6 500 millions compared with under 1 000 millions before the war During four years ending 1934 35 imports further contracted to 1 4 million lbs, 831,571 lbs, 592 995 lbs and 609,416 lbs respectively valued at a little below Rs 53 lakhs Rs 29 lakhs, Rs 19 lakhs and Rs 22 lakhs, respectively In 1934-35 the imports rose to 609 416 lbs (237,371,256 in number) valued at Rs 19 lakhs

Imports of unmanufactured tobacco for consumption in local factories amounted to 3 0 million lbs in 1934-35 as against 42 million lbs in 1933-34 and 51 million lbs in 1932-33 In 1934-35 the imports were valued at Rs 34 lakhs.

POPULAR HANDBOOKS, 4 As. EACH. WRITE TO INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

MINERAL RESOURCES OF INDIA.

INDIA is enormously rich in her possession of diverse mineral resources both for industrial utilisation and export The minerals which won for India a prominent position in the metallurgical world were her high quality iron and steel Coal, however, now forms the most important of her mineral deposits while petroleum output has singled her out as a great producer of mineral oil in the East Next to these rank in importance the mineral deposits of gold, iron, lead, manganese, salt, silver mica, etc Rich as India might appear in minerals which cover a wide range of articles, much of her under-surface potentiality still awaits expansion With the growth of industries engaged in the production of drugs and chemicals, paper, matches, iron and steel, textiles, etc the demand for metallurgical products may be expected to increase steadily

The total value of mineral production in India increased by £1 100 178 millions to £17 700 015 in 1934 Of each of the fourteen minerals with a value of over £100,000 annually, increases are shown by manganese ore (215 2 per cent), tungsten ore (188 2 per cent), tin ore (58 0 per cent), mica (47 2 per cent), iron ore (18 9 per cent), silver (13 2 per cent), copper ore and matte (7 7 per cent), building materials (7 5 per cent), gold (5 9 per cent), coal (3 1 per cent), and salt (2 2 per cent), whilst decreases are shown by saltpetre (14 1 per cent), lead (7 5 per cent) zinc concentrates (13 1 per cent) and petroleum (4 1 per cent)

Coal returns to the head of the list of values as the most important mineral whilst manganese ore, India's other most distressed mineral industry, makes a partial recovery Amongst less important minerals the largest increases in value are shown by ilmenite, nickel-speiss, chromite ruby, sapphire and spinel, refractory materials, clays, diamonds, monazite and gypsum, whilst the most important decreases are shown by jadeite, zircon, antimonial lead, and ochres.

The average number of persons employed daily during 1934 was 333 786 against 316,464 in the previous year It will be seen that the most important mineral industries in providing employment are, in order—coal, salt, petroleum, gold, mica, tin and tungsten ores, iron-ore, and manganese ore In addition, much additional employment is of course, provided to the transport, smelting and refining industries

	1931	1932	1933	1934
		(in £ 1,000)		
Coal	6 126	5 120	4 600	4 741
Petroleum	4 380	3 819	4 708	4 514
Manganese ore	727	140	123	388
Lead and Lead ore	940	820	851	788
Gold	4 541	1 906	2 078	2 201
Building Materials	852	617	800	860
Salt	1 010	899	860	878
Silver	387	471	497	563
Mica	307	252	308	451
Zinc Concentrates	128	113	232	201
Iron ore	308	295	188	223

POPULAR HANDBOOKS, 4 As. EACH WRITE TO INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

	1931	1932	1933	1934
			(in £ 1,000)	
ı ore	260	339	484	765
pper ore and matte	407	338	392	422
ngsten	65	52	99	285
tpetre	73	92	117	101
romite	23	21	17	23
ıkel Speiss	50	77	77	86
ıenite	42	58	53	73
leite	26	28	10	11
	17 740	15 612	16 600	17 700

COAL.

The coal fields in India belong geologically to the Gondwana system of strata, composed chiefly of sandstones and shales deposited in fresh-water and lay rivers, or to Tertiary beds It may be stated that 98 per cent of coal supplies in India come from Gondwana coal fields and 2 per cent from Tertiary beds The former comprise of the fields in Bengal, Bihar and Orissa, Central India, Central Provinces, and Hyderabad while the latter includes Assam, Baluchistan Punjab and Rajputana

Statistics of coal production and value, number of persons engaged, imports and exports, during the last five years follow —

Coal Production	1930	1931	1932	1933	1934
(in 1 000 tons)	23 803	21 716	20 153	19 789	22 057
Bengal	6 317	5 810	5 783	5 691	6 159
Bihar & Orissa	15 064	13 533	11 847	11 257	12 324
C P	956	774	1 163	1 501	1 439
Hyderabad	812	758	781	753	770
Assam	359	275	210	194	189
Baluchistan	—	13	19	11	11
Value (in lakhs of Rs)	9 26	8 27	6 81	6 12	6 31
Average Value (per ton in Rs)	3 14	3 13	3 6	3 1	2 14
Number of persons employed (in thousand)	184	173	166	163	169
Total Quantity for home consumption (1 000 tons)	23 514	21 355	19 679	19 428	21 799
Imports (1,000 tons)	217	88	48	67	72
Exports (1,000 tons)	507	441	520	426	330

During 1934 these was an increase in the output of coal for the first year since 1930 and a number of collections were opened during the year This was due to improved trade conditions in iron and steel industry and the increased demand for coal on the railways

There were 196 joint stock companies at work in Bengal and Bihar and Orissa on the 31st March, 1935 Outside this area there were only 18 joint stock companies at work during the year The paid up capital is estimated roughly to be Rs 10 19 lakhs

The Indian Coal grading Board maintained the same standard of coal The quality of export coal was satisfactory 2,051,053 tons of coal were exported under the supervision of the Board during 1934 as against 1 785,149 tons in 1933.

Of the quantity for home consumption, Railways consumed 7 1 million tons, iron, steel, brass foundries 4 7 million tons, cotton mills 1 7 million tons, jute mills 0·7 million tons, bricks and tiles factories 0 7 million tons, paper mills 149,000 tons, domestic use 3 8 million tons

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The figures of output for the principal coalfields are as follows.—

Coalfield	1934	1933	1932	1931	Percent of Total
Jherria	9 058 000	8 014 949	8 551 283	9 755 037	41 06
Raneegunge	6 796 000	6 265 703	6 419 007	6 530 713	30 81
Bokaro	1 399 000	1 304 864	1 348 973	1 656 597	6 34
Giridih	761 000	635 924	583 243	713 133	3 45
Karanpura	397 000	343 876	409 566	461 678	1 80
Pench Valley	1 118 000	978 179	831 817	750 015	5 07
Assam	190 000	194 154	208 802	274 278	0 86
Singarem	528 000	519 443	593 466	—	2 39
Talcher	307 000	316 539	142 312	253 586	1 39

The overseas demand for Indian coal underwent a further contraction, the total exports declining from 373,000 tons valued at Rs 37 lakhs in 1933-34 to 309,000 tons valued at Rs 29 lakhs, a decrease of 17 per cent, in quantity and of 22 per cent, in value Natal and Japanese coal is displacing Indian coal in its principal markets Exports to Ceylon and Hongkong showed considerable decrease while the United Kingdom and the Phillipines showed no interest in the year under review

Imports of foreign coal increased from 56,000 tons in 1933-34 to 57,000 tons in 1934-35 but the value remained stationery Bombay and Sind enlarged their indents from 14,000 tons and 26,000 tons to 20,000 tons and 27,000 tons, respectively The imports from Union of South Africa amounted to 32,000 tons while those from United Kingdom amounted to 12,000 tons

PETROLEUM

Petroleum refineries are situated in Burma, Assam and Punjab there being 12 refineries in all Of these 9 are located in Burma, 2 in Assam and 1 in the Punjab The quality of petrol and kerosene mined during the last three years follows —

	1932-33	1934-35	1934-35
	(in 1,000 gallons)		
Petrol.			
Aviation Petrol	1 396	2,078	2,236
Motor Spirit	66,638	70,533	79,059
	68,034	72,612	81,294
Kerosene Oil			
Superior Quality	82,568	79,133	82,230
Ordinary Quality	77,157	77,802	87,037
	159,725	156,935	169,267

OTHER METALS

The output of the other metals in value, appears on page 257 We here give the figures for exports and value realised therefrom —

	Exports		Value	
	1933-34	1934-35	1933 34	1934-35
	(in 1,000)		(in lakhs of Rs.)	
Lead (tons)	1,200	1 300	148	136
Copper (cwts)	254	204	28	21
Chromite (tons)	20	24	6 3	7 5
Mica (cwts)	66	105	45	69
Tin (tons)	3 2	5 6	58	71
Wolfram (tons)	4 2	5 6	64	107
Manganese (tons)	266	455	51	80

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FACTORY INDUSTRIES IN INDIA.

THAT the development of organised industries in India, though slow, has been uninterrupted during the last decade is clearly demonstrated by the following table showing the number of factories which are subject to the Indian factories Act:

1919	3,604	1927	7,515
1920	3,804	1928	7,863
1921	4,080	1929	8,129
1922	5,144	1930	8,148
1923	5,985	1931	8,143
1924	6,406	1932	8,241
1925	6,926	1933	8,452
1926	7,251	1934	8,658

Of the 8,658 factories operating in British India during 1934 1,678 are situated in Bombay, 1,553 in Madras, 1,535 in Bengal and 950 in Burma. The provincial distribution of factories during the last five years is afforded by the following table:—

	1930	1931	1932	1933	1934
Madras	1,527	1,470	1,452	1,503	1,553
Bombay	1,550	1,541	1,575	1,610	1,678
Bengal	1,444	1,471	1,487	1,528	1,535
United Provinces	376	424	456	476	477
Punjab	526	506	515	576	598
Burma	980	947	948	942	950
Bihar and Orissa	282	280	283	289	307
Central Provinces	695	734	743	735	726
Assam	620	622	639	649	691
N. W. F. P.	29	26	25	26	24
Baluchistan	5	10	17	16	16
Ajmer Merwara	40	40	36	39	36
Delhi	48	45	41	41	46
Bangalore and Coorg	26	27	24	22	21
	8,148	8,143	8,241	8,452	8,658

The number of new factories registered during the year was 528 and the number struck off the registers 325, giving a net increase of 203 as compared with 127 in 1923. The increase in the number of factories actually working was 206 and this was distributed over all the major provinces with the exception of C. P., Ajmer Merwara and the North West Frontier Province.

Of these 8,658 factories, 4,023 were perennial and 4,635 seasonal. The percentage of the registered factories working during the year was 88·7 as against 88·4 in the preceding year.

In the Bombay Presidency 24 new ginning factories were erected in Sind in the areas irrigated by the Sukkur Barrage; in Bombay City several small factories manufacturing articles hitherto imported have been started but there was a further decline in the number of textile mills in that City while Ahmedabad showed a slight increase. Appreciable progress was made by the cotton ginning and baling industry in

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Madras, Bombay and the Punjab The rice industry showed increases in Burma, Bengal and Assam and there was also a large increase in the number of tea factories in Assam ,The total number of sugar factories working increased from 213 in 1933 to 225 in 1934, Nineteen new sugar factories were registered in the United Provinces, 12 in Bihar and Orissa, 2 in Madras and 2 in the Punjab There was a slight decrease in the number of jute presses in Bengal while 5 new factories for the manufacture of rubber goods were registered in that province

Mention should be made here that the actual number of factories is far above that reckoned in the list Many small factories have not been enumerated in the list

The number of persons employed in British India in factories under the Indian Factories Act follows —

	1931	1932	1933	1934
Men	1,173,372	1,172,296	1,167,284	1,248,009
Women	231,183	225,632	216,837	220,860
Boys	21,920	17,179	19,091	18,362
Girls	5,012	4,604		
TOTAL	1,431,487	1,419,711	1,405,402	1,487,231

HOSIERY.

Cotton and jute industries which are prima facie the largest industries in India have already been discussed Other textile industries which merit attention are the hosiery, woollen and silk industry In spite of keen Japanese competition the production of hosiery in India is recording a gradual increase According to the latest statistics available it appears there were in operation 57 factories in India of which 19 were in Bengal, 8 in Bombay, 7 in Madras, 17 in the Punjab, 2 in Burma and 3 in Delhi during 1934, turning out more than 600,000 dozen of underwears per annum The output of these factories amounted to 4 7 million lbs in 1934-35 The figures arrived at are much below the actual one, as the production of the numerous small factories all over the country has not been taken into account The large imports of hosiery which amounted to 934,660 doz of pair of stockings and 1-6 million doz of underwear during 1934-35 leave much room for expansion The imports of hosiery during 1934-35 were valued Rs 58 lakhs as against at Rs 77 in 1933-34, Rs 69 lakhs in 1932-33, Rs 48 lakhs in 1931-32, Rs 88 lakhs in 1930-31 and Rs 1 44 lakhs in 1929 30 Out of the total imports of Rs 58 lakhs worth of hosiery Japan was responsible for Rs 53 5 lakhs and U K Rs 1 5 lakhs

The competition from Japan assumed such tremendous volume that the Indian Tariff Board was asked by the Government of India to investigate the claim for protection by the Indian hosiery factories The Government of India in their Finance Bill for 1934 35 imposed a protective duty of 10 per cent on hosiery

The production of hosiery in the various provinces during the last 4 years follows —

	1931 32	1932-33	1933-34	1934 35
		(in 1,000 lbs)		
Bombay Presidency	359	401	421	989
Bombay Island	72	30	20	72
Ahmedabad	288	371	401	900
Madras	670	924	669	1228
Bengal	587	810	738	1585
U P	131	144	145	233
Punjab	13	17	3	7
Delhi	—	14	0 2	7

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	1931-32	1932-33	1933-34	1934-35
		(in 1,000 lbs)		
Burma	—	—	206	450
Indian States	214	234	158	219
	1 975	2 544	2 193	4 718

The output of hosiery during these years is given below —

	1932 33	1933-34	1934-35
		(in 1,000 dozen)	
Ahmedabad	77	90	221
Bombay Island	20	12	38
Bombay Presidency	96	102	265
Madras	249	181	306
Bengal	227	215	493
U P	64	63	105
Punjab	14	3	7
Burma	—	117	196
Indian States	93	64	105
TOTAL	746	745	1 482

WOOLLEN GOODS.

The woollen mills in British India are 18 in number and are located at different parts of India, there being 2 in Bombay, 1 in Bengal, 4 in the United Provinces, 3 in the Punjab, 1 in Bihar & Orissa and 1 in Burma Besides these there are 5 woollen mills in the Indian States, 4 of them being in Mysore and 1 in Baroda The Government have 3 woollen factories of their own These produce woollen goods including blankets, rugs, shirtings, flannel, etc The position of the woollen mills in India is shown by the following table —

	No of Mills	Capital in lakhs of Rs	No of Looms	No of Spindles
1924	17	4 81	1 803	88 356
1925	16	3 81	2 003	90 083
1126	19	3 87	2 021	92 889
1927	18	3 88	1 942	93 029
1928	20	3 37	1 901	92 578
1929	17	2 36	1 389	72 671
1930	17	2 18	1 621	78 162
1931	18	2 18	1 282	60 373
1932	18	2 18	1 280	59 697

The figures of production in British India for the last few years are not available The production during 1918 was 8 million tons worth Rs 1,81 lakhs and in 1921, the last years for which statistics are available, the production was valued at Rs 1,18 lakhs The output of the woollen goods in Indian States which are responsible for 189 looms and 10,084 spindles out of 1,280 looms and 59 697 spindles working in India is 3 1 million lbs and is valued at Rs 27 lakhs

The seat of the industry is Cawnpore in the United Provinces where the major part of the goods is produced Bombay and Bangalore are also recognised centres of woollen goods manufacture

Due to the advent to cheap woollen goods, the woollen industry is now passing through a grave crisis Reference has been made to the Government of India for protection to the industry Consequently a Tariff Enquiry commenced in October 1934, and the report of the Tariff Board now published, was submitted on June 10, 1935

Make Depilatories? "PROSPECTIVE INDUSTRIES" Explains the Process. INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

SILK.

The fairly good quality of silk available in the country in Mysore Madras Bengal, Kashmir and the northern portion of the Punjab makes the manufacture of silk a practical proposition in India There are 21 mills in British India of which 3 are in Madras, 2 in Bengal, 15 in Bombay and 1 in U P engaged in the production of silk goods of all varieties They are quite insufficient to meet the demand for cheap silk goods in India and can hardly check the imports of artificial silk goods

ENGINEERING

In 1934 there were 643 engineering firms in India as against 631 in 1933 The line of business pursued by these firms is of widely different character To cite only a few of the more important departments under the section coach building and motor car repairing, electrical engineering, electrical generating and transforming stations general engineering, kerosene refining and packing, metal stamping, railway workshops ship building and engineering, steel trunk, lock and cutlery, tramway works etc All sorts of machines for home industries, lathes brass fittings for all purposes municipal and railway equipments, etc, are also being increasingly made in the Indian workshops Of the 643 factories operating in 1934 265 were devoted to general engineering, 91 to coach building and motor car repairing 88 to railway work, 35 to metal stamping, and 32 to kerosene tinning The factories are mostly built in the cities and towns or in their suburbs Of the total number Bengal claimed 226 Bombay 165 Madras 70 and Burma 38

MINERALS AND METALS

The mineral resources of India have appeared under a separate heading It need only be pointed out that there were 139 factories in operation during 1934 of which 76 were occupied in all sorts of foundry business Of these 8 were located in Madras 20 in Bombay, 29 in the Punjab 10 in the United Provinces 4 in Bihar & Orissa and 5 in Delhi The rest include iron and steel smelting and steel rolling mills (5 2 of them being in Bengal and 3 in Bihar and Orissa), lead smelting, and lead rolling mills (5 of which 3 were in Bengal and 2 in Burma), petroleum refineries (12) etc Iron rails steel sheets, galvanized sheets, fish plates, wire nails of various gauges agricultural tools etc are being manufactured in the factory of Tata Iron & Steel Co Ltd at Jamshedpur Iron and steel products are also made by Bengal Iron Co Ltd Indian Iron and Steel Co Ltd and Bhadravati Iron Works Steel sleepers and chairs and pipes and other castings are made by Bengal Iron Co Ltd The output of iron ore in Burma by the Burma Corporation Limited is used as a flux in lead smelting Argentiferous lead ore is mined by Bawdin mines of Burma and lead and silver are obtained from this Mention should be made here of steel casting and spring plates, the manufacture of which is a recent development in India

FOOD, DRINK AND TOBACCO

The factories directly engaged in food drink and tobacco were 4 322 in 1934, as against 3,262 in 1933, 2,218 in 1932, 13 084 in 1931 and 3,122 in 1930 During 1934 58,845 men were employed in the perennial factories and 173,420 men in the seasonal factories Rice mills employed 29 557 permanent hands and 45 578 seasonal labourers, sugar mills 7 910 permanent hands and 57,113 temporary labourers Tea industry employed 58 476 hands

The principal manufactures under this section are bakeries biscuit and confectionery (21), breweries and distilleries (26), coffee (16), dairy

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produce (4), flour mills (80), ice and aerated waters (42 + seasonal 24), rice mills (809 + seasonal 799), sugar (28 + seasonal 197), tea (1,015), tobacco (25 + seasonal 4) etc, etc Confectionery industries are making steady headway and their achievements, it is expected, will oust imported biscuits, jams, jellies, etc, in near future Manufacture of good quality barley is a recent development in India

CHEMICALS, DYES, ETC.

Manufacture of chemicals, dyes and allied products shows uniformly steady progress The brunt of foreign competition is making itself felt in most lines There were 406 factories in 1934 as against 397 factories in 1933, 397 factories in 1932, 389 in 1931 and 435 factories in 1930 These include bones and manures (20 + 1 seasonal), chemicals (20); dyeing and bleaching (41), gas works (12), indigo (4), lac (19), match (35), oil mills (192 + seasonal 28), paints (12), soap (22), turpentine and rosin (2), and miscellaneous (27) The total number of men employed in this section is 48,968 of whom the match industry absorbed 15,923 men and oil mills 10 505 men

Steamed and unsteamed bone meals and chemicals manures which are of inestimable value to the farmers are made mostly in Bengal, Bombay and Madras Chemicals of all sorts including ampoules for injection, serum, autogenous vaccines and various medicinal tinctures of highest quality, medicinal drugs and antiseptics are being increasingly manufactured in India, Bengal taking the leading part in this respect The number of chemical factories in Bengal is 12 while there are 2 in Bombay, 5 in Punjab and 1 in U P Dyeing and bleaching factories thrive most in the Bombay Presidency, the seat of the cotton textile industry in India, the number of factories being 33

The production of the chemical still falls far short of the requirements and with the development of Indian industries the demand for chemicals is likely to increase greatly The production of sulphuric acid during 1933-34 was 480 699 cwt and that of ammonium sulphate 8,691 tons and in 1934-35 the output was 529,685 cwts and 13,098 tons respectively The imports in 1933-34 were valued at 270 lakhs of rupees, soda compounds being imported to the tune of Rs 121 lakhs in 1933-34, potassium compounds Rs 16 lakhs, acids Rs 8 lakhs, carbide Rs 7 lakhs, disinfectants Rs 9 lakhs, ammonia and salts thereof Rs 9 lakhs and sulphur Rs 20 lakhs

MATCH.

Matches on a big scale are being manufactured in the Bengal, Bombay and Madras Presidencies and pyrotechnic matches have lately been up in the market In 1934 there operated 12 match factories in Bombay, 16 in Bengal, 4 in Burma, 2 each in the Punjab, and the Central Provinces and 1 each in U P, Madras, and Assam Raw materials for the industry are also abundant in the United Provinces, the Punjab and other provinces, with reserved forests and factories these are expected to do well Growth of the industry dates from the year 1922 when a revenue duty on matches was imposed on imported matches at so high a level as to afford substantial protection to the industry, up to 1916 the duty on imported matches was 5 per cent ad valorem In March of that year it was increased to 7½ per cent ad valorem and subsequently in March 1921 the duty was fixed at 12 annas per gross This duty was raised to Re 1-8 per gross in March. Since September, 1931 the duty is further subjected to a general surcharge of 25 per cent Before 1921 the number of match factories in India was inconsiderable but under the cover of protection the industry continued to progress till its annual production exceeds 400,000 crores

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

The following figures of the production of matches are appended for general reference —

	1934-35
Boxes Containing	Gross
Not more than 40 matches	14,024,623
Between 41 and 60 matches	2,254,767
Between 61 and 80 matches	169,146
All other matches	493
	16,449,136
Bengal Light or Coloured matches	42,601

The expansion of the industry has resulted in diminished imports of matches while in 1918-19 the imports were valued at Rs 165 lakhs, those during 1934 35 amounted to much less than one lakh of rupees only The progress is however bound to be hampered by the imposition of an excise duty at the rate of 4 as per 1,440 sticks

SOAP, PAINT, LAC, OIL MILLS, ETC.

Soaps both of toilet and laundry types, are being manufactured in India in huge quantities and the quality of the output is distinctly on the up grade There are 12 soap factories in Bengal, 6 in Bombay, 2 in Burma and 1 each in U P, and Delhi Of the 19 perennial lac factories, 15 are situated in Bihar and Orissa where the business thrives most and 4 in Bengal Indigo factories operate naturally in Bihar and Orissa which is the home of the indigo plant The oil mills are spread over all parts of the country, 44 being in Bengal, 46 in Bombay 3 in Madras, 20 in the United Provinces 77 in Bihar and Orissa 37 in the Central Provinces, 5 in the Punjab and 10 in Assam Paint manufacture is a new industry in the country but has made considerable headway, Bengal taking the lead Of the 12 factories, 9 lie in Bengal and 1 each in Bombay and C P Resin tapping operations are conducted in U P and the Punjab, rosin and turpentine being obtained by distillation The industry offers much scope for expansion

PAPER.

India consumes at present about 100,000 tons of paper annually of which the Indian mills supply only 40,000 tons Paper making by machinery began in India about fifty years ago, the first paper mill run on a commercial scale being started probably in 1874 Within the next twenty years three more mills came into existence in Bengal all of which depended on sabai, munj and bhabar grasses as their chief raw materials The industry soon suffered due to lack of sufficient supply of raw materials throughout all the seasons and had to resort to imported wood pulp Lately the suitability of bamboo pulp for the manufacture of paper has been substantiated by researches of Imperial Research Institute

At present there are only 7 mills in India of which 3 are in Bengal, 2 in Bombay and 2 in the United Provinces There is 1 paper pulp making mill in Bengal Besides, there is a paper mill in Travancore In 1921 it produced 414 tons of paper but in 1931 the production declined to 156 tons The figures of production for the last three years follow —

	1932-33	1933-34	1934-35
	(figures in cwt)		
White and unbleached printing other than news printing	336,435	364,560	381,516
Coloured printing	16,216	29,298	25,475
Writing paper and envelopes	267,886	270,598	287,294

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

	1932-33	1933-34	1934-35
		(figures in cwt)	
Manilla	15 160	14,508	10,557
Badami	86,852	98,565	97,380
Packing paper	48 356	52,117	38,111
Pulp Boards	6,842	8,878	7,767
Blotting	5,169	5,310	4,005
Other Kinds	21,425	29,326	39,908
	804 341	873,160	892,613

Capital invested in the industry exceeds Rs 121 lakhs and persons employed number about 7,000

WOOD, STONE AND GLASS.

The number of saw mills in 1934 was 144 as against 152 in 1933, 158 in 1932, 171 in 1931 and 186 in 1930, of these 113 were in Burma Bricks and tiles, mosaic and roofing and for other purposes are made in the country The number of firms directly engaged in making bricks and tiles was 73 in 1934 as against 73 in 1933 74 in 1932 77 in 1931 and 76 in 1930 Of these factories 60 are situated in the Madras Presidency, 6 in Bombay Presidency, 5 in Bihar and Orissa and 2 in Bengal Cement, lime and potteries are made in 35 factories of which 10 are in Bengal, 9 in C P and Berar, 3 in Bihar and Orissa, 1 in Delhi, 4 in the United Provinces, 4 in Punjab, 1 in Burma and 2 in Madras Porcelain electric insulators, jars for acid and crockeries, surgery wares, hospital requisites, domestic articles with artistic paintings, etc, are being produced in India in increasingly large bulk while the glazed stonewares, fire bricks, surface drains, patent stone tiles, etc, are filling up a vital need of the country Glasswares of high quality were made by 46 factories in 1934 of which 2 were in Bombay, 12 in Bengal, 28 in the United Provinces, 1 in the Punjab and 2 in C P

GINS AND PRESSES.

Cotton ginning and baling is being systematically practised in all parts of India where cotton is grown commercially Jute presses have also sprung up for cleaning and pressing jute

The number of cotton ginning and baling factories during 1934 stood at 2,136 of which 682 were located in Bombay, 524 in C P, 323 in the Punjab, 448 in Madras, 14 in Bengal, 83 in the United Provinces, 36 in Burma and 24 in Ajmere-Merwara This gave employment to 130,952 persons

The jute presses, 100 in number are located mostly in Bengal the home of jute Of them 96 operate in Bengal as compared with 1 in Madras, 1 in Bihar and Orissa and 2 in the United Provinces The number of persons employed in the industry in 1934 was 32,503

HIDES AND SKINS

Apart from the manufacture of tanned kips and skins, which may be classed as partly finished leather. India makes very little finished product Hides and skins for export are partially tanned in the Madras and Bombay Presidencies particularly in the former and in the adjoining Indian States Besides these centres, a very large quantity of these stuff is tanned in Indian villages by local chamars for utilisation in making water bags, bellows, drums, saddles, harness, boots, shoes, sandals, etc. The quality of goods turned out leaves much room for improvement It is however gratifying to note that factories working on improved methods are gradually springing into being. An important leather industry on modern lines has been established in Cawnpore

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which being situated in the middle of the best hide-producing area in India with excellent railway communications seems to be specially suited as the centre of a great leather industry Besides, several large leather factories have been established in Bombay, Madras, Calcutta and other cities in recent years To come to figures, in 1934 there were 25 tanneries of which 7 were in Madras, 5 in Bombay, 5 in Bengal, 6 in the United Provinces and 2 in the Punjab All sorts of leather goods, shoes, attache cases, holdalls, cabin, trunks, etc, are also being turned out There were 6 factories in Madras, 2 in Bengal, 1 in Bombay and 3 in the United Provinces for manufacturing leather and shoes during 1934

The following export figures of raw and tanned hides and skins illustrate the possibility of the tanning industry in India —

	Pre-war Average	War Average	Post war Average	1931 -32	1932 -33	1933 -34	1934 -35
			(in lakhs of rupees),				
Raw Hides	6,57	5,05	3,42	91	63	1,01	1,10
Raw Skins	3,73	4,82	6,02	2,74	2,14	3,23	2,02
Tanned Hides	1,57	4,40	3,19	2,13	1,62	2,41	1,98
Tanned Skins	2,71	2,75	2,93	3,14	3,04	3,24	3 25

MISCELLANEOUS.

Galvanised wares of all descriptions, aluminium wares and utensils, enamelled wares, etc, etc, are being produced on a manufacturing scale and the quality is at par with the imported foreign stuff Builders' hardware and collapsible gates, ropes and twines, engineering stores and hollow-wares, surgical instruments and apparatuses, stationery and waterproof materials, pencils, pens and penholders, syrups and condiments, essential oils, brushes, canvas proofing, gramophone record are some of the lines in which Indian industries are developing

STATISTICS.

The following table gives the number of factories in operation and of persons employed in 1932 and 1933 —

	No of factories		Persons Employed	
	1934	1933	1934	1933
Cotton Mills	319	315	3 83,477	360,424
Jute Mills	100	98	263 739	257,175
Coach Bldg & Motor Repairing	91	89	5 703	4,974
Engineering, Gnl	265	271	32 587	28 690
Kerosene Tinning	32	31	5 627	5 706
Shipbuilding	15	13	13,961	11,768
Iron and Steel	5	5	26 928	23 726
Petroleum Refining	12	12	11,253	10,791
Coffee	16	16	4,069	4,815
Flour Mills	80	80	5,450	4 959
Rice Mills	1,608	1 552	75,135	72,953
Sugar	225	213	65 023	49,545
Tea	1,015	980	58,476	57,053
Dyeing & Bleaching	41	39	5,632	5 383
Match	36	35	15,923	13,637
Oil Mills	192	201	10,505	10 471
Paper Mills	7	7	5,995	5,944
Cement, Lime & Potteries	35	31	6 994	5,280
Saw Mills	144	152	13 281	12,662
Cotton Ginning	2,136	2,064	130,952	129,233
Jute Presses	100	105	32 503	31,455

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INDIA'S FOREIGN TRADE IN 1935

THE grand total of the imports, exports and re-exports of private merchandise during the calendar year 1935 amounted to Rs 297 crores as against Rs 278 crores in 1934 and Rs 426 crores in the pre-war year 1913. The value of the imports of private merchandise amounted to Rs 136 crores which was about Rs 10 crores more than the corresponding figure for 1934 Exports of Indian merchandise advanced by Rs 9 crores to Rs 157 crores and re-exports of foreign merchandise by Rs 49 lakhs

TRADE BY PROVINCES.

The total imports and exports, including re-exports of private merchandise, of each maritime province during the years, 1934 and 1935 are shown in the following table —

	Imports		Exports including Re-Exports	
	1934	1935	1934	1935
	(lakhs of Rs)		(lakhs of Rs)	
Bengal	34,47	37,92	62,90	65,90
Bombay	50,81	56 34	31 37	31,10
Sind	14,70	14 53	16,78	16,83
Madras	16 85	16,44	24,60	25,80
Burma	9,60	10,68	15 67	21,10
TOTAL	126 43	135,91	151,32	160,73

It will be found from the above that the imports of private merchandise during the year 1935 showed an improvement of 7 5 per cent over the preceding year The export trade recorded a rise of 6 2 per cent over the preceding year

IMPORTS BY CLASSES

As compared with the preceding year, the imports of food, drink and tobacco in 1935 fell by Rs 5 lakhs to Rs 13,55 lakhs on account of smaller arrivals of rice not in the husk; the fall on this account was, however, partly set off by increases in the imports of provisions, fruits and vegetables and liquors Raw materials and articles mainly unmanufactured showed an increase of Rs 4,52 lakhs and amounted to Rs 20,23 lakhs, the increase being due mainly to larger imports of raw cotton and oils of all descriptions Imports of articles wholly or mainly manufactured rose from Rs 94,36 lakhs to Rs 99,50 lakhs, owing mainly to increases in the imports of cotton manufacturers, chemicals, drugs and medicines, vehicles, electrical goods, machinery, metals and paper There were decreases under silk and woollen manufactures Imports of living animals fell by Rs 11 lakhs and those of postal articles by Rs 5 lakhs

DETAILS OF IMPORTS.

Imports of **cotton piecegoods** (excluding fents) in 1935 amounted to 981 million yards valued at Rs 16,49 lakhs, an increase of 108 million yards in quantity and of Rs 65 lakhs in value as compared with the

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figures for the preceding year. This increase was mainly due to larger imports of grey goods, plain and bordered, which increased by 82 million yards to 337 million yards in quantity and by Rs. 87 lakhs to Rs. 4,42 lakhs in value. Imports from Japan increased by 84 million yards in quantity and Rs. 88 lakhs in value. The share of the United Kingdom in grey goods, on the other hand, was less by 1 million yards in quantity and by Rs. 0 4 lakhs in value Imports of white goods rose from 277 million yards to 279 million yards in quantity, but dropped from Rs. 5,30 lakhs to Rs. 5,24 lakhs in value. Receipts from the United Kingdom under this head also registered a decline, having amounted to 214 million yards as compared with 222 million yards in 1934. Supplies from Japan totalled 59 million yards in 1935 as compared with 49 million yards in 1934. Under coloured, printed or dyed goods there was an increase of 23 million yards in quantity but the value declined by Rs, 16 lakhs. While the share of Japan in this line rose by about 49 million yards in quantity and Rs. 39 lakhs in value, that of the United Kingdom decreased by 25 million yards in quantity and Rs. 54 lakhs in value. Imports of **cotton twist and yarn** advanced from 30 million lbs. to 42·7 million lbs. in quantity and from Rs. 2,74 lakhs to Rs. 3,67 lakhs in value. The United Kingdom, China and Japan, which are the principal supplying countries, all shared in the increase Although imports of **artificial silk yarn** rose slightly in quantity by 0 6 million lbs. the value fell by Rs. 20 lakhs The trade in piecegoods made entirely of artificial silk rose from 58 million yards to 67 million yards in quantity and from Rs. 1,61 lakhs to Rs. 1,70 lakhs in value. Imports of **woollen and worsted piecegoods** fell from 10 million yards to 6 million yards in quantity and from Rs 1,36 lakhs to Rs 87 lakhs in value There was a large increase in the imports of **raw cotton** from 47,000 tons valued at Rs. 3,94 lakhs to 87,000 tons valued at Rs. 7,79 lakhs Kenya, Egypt, the United States of America and Anglo-Egyptian Sudan increased their contributions by 14,000 tons, 8,000 tons, 8,000 tons and 3,000 tons respectively in the year under review The imports of **iron and steel** amounted to 398,000 tons (Rs 6,70 lakhs) as compared with 348,000 tons (Rs. 6,02 lakhs) in 1934. The value of **machinery and millwork** increased by Rs. 1,61 lakhs to Rs. 13,36 lakhs, notwithstanding a decline of Rs. 35 lakhs under sugar machinery. Jute machinery and electrical machinery advanced from Rs. 42 lakhs and Rs 1,55 lakhs to Rs. 1,04 lakhs and Rs. 1,93 lakhs respectively in value. The imports of **kerosene oil** increased by 4 million gallons in quantity and by Rs. 15 lakhs in value due to larger imports from Iran. Borneo appeared in the market with 6 million gallons of kerosene oil—she had not supplied any in 1933 and 1934—while the share of Java dwindled to almost nothing. Roumania, Sumatra and the United States of America decreased their contributions by 8, 2 and 2 million gallons respectively Imports from the U. S. S. R. slightly rose by 0 3 million gallons but the value decreased by Rs. 16 lakhs. Imports of **sugar 23 D. S. and above** (excluding beet) increased by 4,000 tons to 197,000 tons in quantity without any corresponding increase in value which remained almost stationary at Rs. 1,86 lakhs, while beet sugar fell from 28,000 tons to 25,000 tons in quantity and from Rs. 26 lakhs to Rs. 22 lakhs in value. Imports of **rice,** not in the husk showed a sharp decline from 285,000 tons to 115,000 tons in quantity and from Rs. 1,76 lakhs to Rs. 87 lakhs in value. The consignments were mainly from Siam and Indo-China into Madras. The number of **motor cars** imported was larger by 207 and totalled 13,493 to which the United Kingdom, the United States of America and Canada contributed 7,230, 3,518 and 2,064 as against 5,284, 5,033 and 2,567 respectively in the preceding year. Imports of **non-essential-oilseeds** increased

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by 15,000 tons to 46,000 tons while those of soap decreased by 200,000 cwts to 67,000 cwts

EXPORTS BY CLASSES.

The exports of food, drink and tobacco increased by Rs 3,71 lakhs to Rs 38,53 lakhs owing chiefly to increases in the shipments of rice, and fruits and vegetables there were decreases under tea, gram and coffee Raw materials and articles mainly unmanufactured increased by Rs 1,85 lakhs to Rs 75,30 lakhs owing chiefly to increases in the shipments of raw jute, manganese ore, raw hides and skins, raw rubber and teak wood, in spite of decreases in the exports of seeds, raw cotton and lac Articles wholly or mainly manufactured also improved by Rs 3,21 lakhs to Rs 41,44 lakhs, principally on account of larger exports of gunny bags and cloth, cotton manufacturers and metals, notably pig lead

DETAILS OF EXPORTS

The year under review witnessed an increase in the exports of jute, raw and manufactured, the total value having advanced from Rs 31 crores to about Rs 37 crores Shipments of **raw jute** rose in quantity from 721 000 tons to 795,000 tons and in value from Rs 10 crores to Rs 13 crores The United Kingdom, France, the United States of America and Spain increased their requirements from 167,000, 78,000, 46,000 and 39 000 tons to 168 000 80 000, 70,000 and 52,000 tons respectively On the other hand, Italy, Germany, Belgium and the Netherlands reduced their purchases from 78,000, 137,000, 56,000 and 25,000 tons to 62 000, 116,000 51,000 and 17,000 tons respectively It should be mentioned in this connection that a considerable portion of the total shipments during 1935 still remains to be finally allocated to the countries of final destination Exports of **gunny cloth** advanced from 1 029 million yards valued at Rs 11 crores to 1,189 million yards valued at Rs 12 crores Shipment of gunny bags also rose from 412 millions (Rs 9,98 lakhs) to 448 millions (Rs, 10,90 lakhs)

Exports of **Indian cotton** decreased from 612,000 tons (Rs 33 crores) to 562 000 tons (Rs 32 crores) The largest purchaser was Japan, which took 305,000 tons valued at Rs 18 crores, as against 329,000 tons valued at Rs 19 crores in the preceding year Exports of **cotton twist and yarn** further contracted from 13 4 million lbs (Rs 65 lakhs) to 10 0 million lbs (Rs 49 lakhs) Shipments of cotton **piecegoods** showed some improvement, the total quantity despatched having risen from 52 million yards (Rs 1,60 lakhs) to 68 million yards (Rs 2 crores) The exports of **rice** not in the husk, also rose from 1,384,000 tons (Rs 8¾ crores) to 1,638 000 tons (Rs 12¼ crores) Exports of **wheat** amounted to 9,000 tons (Rs 9 lakhs) as compared with 11,000 tons (Rs 10 lakhs) in 1934 The United Kingdom was the largest purchaser and took 7,000 tons (Rs 6 lakhs) Exports of **wheat flour** increased from 11,700 tons (Rs 14½ lakhs) to 17,100 tons (Rs 21 lakhs) Exports of **barley** amounted to 6 100 tons (Rs, 4 lakhs) as compared with 11,500 tons (Rs 7½ lakhs) in the preceding year The quantity of **tea** shipped increased by 1 million lbs, to 321 million lbs but the value realised declined by Rs 35 lakhs to Rs 20,07 lakhs Shipments to Canada, the United States of America, Ceylon, the U S S R, Iran, Arabia and the Irish Free State increased, while those to the United Kingdom recorded a slight decrease Shipments of **oilseeds** further dropped from 940,000 tons (Rs 10,61 lakhs) to 574,000 tons (Rs, 8,90 lakhs) Exports of **lac** declined from 725,000 cwts (Rs 3,79 lakhs) to 473 000 cwts (Rs 1,81 lakhs), shipments of **shellac** declining from 288,000 cwts to 279,000 cwts in quantity and from Rs 1,95 lakhs to Rs 1,23 lakhs in value

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IMPORTS & EXPORTS DURING 1933-34.

The following figures show the values of the principal imports and exports of merchandise during the last five years ending 1933-34 —

PRINCIPAL IMPORTS.

	1930 31	1931-32	1932-33	1933 34	1934-35
		(in lakhs of rupees).			
Cotton and Cotton Goods	31 65	26 19	34 09	21 30	27 04
Metal & Ores	15 92	9 78	9 74	9 50	11 38
Machinery and Mill Work	14 35	10 92	10 54	12 77	12 64
Sugar	10 96	6 17	4 23	2 71	2 11
Oils	10 92	9 72	8 00	6 81	6 97
Vehicles	7 31	4 48	3 82	4 77	6 60
Grain, Pulse and Flour	2 82	1 18	71	84	2 66
Provisions, etc	4 88	3 41	2 93	2 72	2 89
Hardware	3 60	2 61	2 99	2 88	3 05
Wool, raw and manufactures	2 31	1 62	2 96	2 55	3 86
Silk, raw and manufactures	3 00	2 74	4 33	3 59	3 37
Instruments, etc	4 77	3 69	3 85	4 02	4 73
Liquors	3 32	2 27	2 26	2 27	2 35
Paper and Pasteboard	2 87	2 50	2 86	2 63	2 73
Spices	2 55	2 08	1 72	1 56	1 55
Rubber Mnfrs	2 57	2 21	1 98	1 88	2 06
Dyes & Tanning Substances	2 59	2 68	2 50	2 46	3 08
Tobacco	1 51	94	97	72	62
Chemicals	2 61	2 57	2 71	2 70	2 93
Glass and Glassware	1 65	1 22	1 42	1 22	1 33
Drugs and Medicines	1 94	1 91	1 86	1 93	1 92
Apparel	1 11	82	84	82	82
Fruits and Vegetables	1 49	1 34	1 17	1 00	1 30
Soap	1 12	89	83	78	63
Salt	1 15	72	79	50	52
Paints, etc.	1 12	88	92	92	97
Haberdashery, etc	73	54	68	55	67
Building and Engineering Materials	1 10	84	77	64	60
Precious Stones	60	45	84	75	50
Stationery	81	64	72	66	69
Wood and Timber	90	61	51	54	57
Belting	63	50	53	46	50
Tea	46	44	35	25	17
Manures	67	36	53	52	67
Arms and Ammunition	54	68	44	43	43
Earthenware and Porcelain	48	38	50	43	44
Boots and Shoes	88	65	52	48	35
Tea Chests	64	50	48	53	52
Toys & Requisites for games	49	37	47	53	51
Books	61	53	46	49	52
Bobbins	43	32	29	22	29
Gums and Resins	31	24	24	27	27
Tallow and Stearine	27	21	25	20	22
Furniture	28	20	18	17	20
Toilet Requisites	54	48	58	57	64
Umbrella and Fittings	31	30	28	27	22
Paper making materials	42	36	22	27	26
Cutlery	26	21	24	26	28
Jewellery	39	19	34	5	21
Clocks and Watches	17	11	13	16	16

Utilise your Waste Products by reading "Utilisation of Common Products" INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

	1930-31	1931-32	1932-33	1933-34	1934-35
	(in lakhs of rupees).				
Coal & Coke	35	14	10	14	12
Jute & Jute Goods	18	13	13	10	9
Flax & Flax Goods	22	18	17	17	18
Animals, Living	21	42	15	28	25
Fish (excluding Canned fish)	24	13	14	15	17
Matches	4	1	—	—	—
All other Articles	751	621	616	629	783
Grand Total of Imports of Government Stores	8,27	4 27	2 43	1 95	—
GRAND TOTAL	1 64 79	1 26 37	1 32 58	1 15 38	1 32 29

PRINCIPAL EXPORTS.

	1930-31	1931-32	1932-33	1933 34	1934-35
	(in lakhs of rupees).				
Jute, raw	12,88	11,19	9,73	10,93	10,87
Jute Manufactures	31,89	21,92	21,71	21,37	21,47
Cotton, raw	46,73	23,78	20,70	26,98	34,99
Cotton Manufactures	5,22	4,82	3,29	2,73	2,05
Grain, Pulse and Flour	29,88	20,37	16,08	11,75	11,84
Seeds	17,86	14,59	11,31	13,66	10,54
Tea	23,56	19,44	17,15	19,85	20,13
Hides and Skins raw	5,47	3,66	2,77	4,25	3,13
Leather	6,39	5,35	4,76	5,83	5,48
Metals and Ores	7,94	5,47	4,67	5,49	5,91
Lac	3,14	1,84	1,24	2,46	3,30
Wool, raw and manufactures	3,23	3,37	1,91	2,72	2,20
Oilcakes	2,08	2,01	1,97	1,65	1,97
Paraffin wax	2 82	2,32	2,02	2,29	1,92
Rubber, raw	1,30	45	9	31	65
Wood and Timber	1,40	78	56	84	1,10
Coffee	1,92	95	1,10	1,02	73
Spices	1,27	87	72	72	77
Opium	1,22	87	11	73	—
Fodder and Bran	77	75	70	47	77
Tobacco	1,04	85	77	94	82
Manures (including bones)	1,23	84	55	50	63
Dyeing and Tanning Subs.	1,08	87	75	79	72
Coir	89	76	60	77	80
Fruits and Vegetables	80	90	70	99	1,08
Mica	68	39	32	45	69
Hemp, raw	39	27	32	36	39
Oils	47	57	54	57	55
Fish	68	54	46	45	45
Coal and Coke	49	55	44	38	29
Provisions	50	40	33	28	28
Drugs and Medicines	21	23	31	24	26
Fibres for brushes	26	20	24	22	19
Bristles	11	12	14	17	23
Saltpetre	8	11	12	15	14
Animals Living	26	15	10	10	12
Apparel	16	10	9	11	11
Bldg & Eng Materials	10	7	9	10	10
TOTAL EXPORTS	2,20,49	1,55,89	1,32,27	1,46,31	1,51,21

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CIVIL DIVISIONS OF INDIA AND BURMA.

The names within parentheses indicate chief towns of Districts where these are other than the names of the Districts. The abbreviations S. D. and S. T. indicate, Sub-Division and Sub-Tahsil, respectively.

PRESIDENCIES & PROVINCES
Under the Governor-General of India in Council, including—

1 Bengal Presy, under a Govr
2 Bombay Presy, under a Govr
3 Madras Presy, under a Govr
4 Bihar and Orissa, under a Govr
5 The United Provinces of Agra and Oudh, under a Govr
6 The Punjab, under a Govr
7 The Central Province under a Govr
8 Assam, under a Govr
9 Burma, under a Govr
10 North-West Frontier Province, under a Governor
11 Rajputana, under Native Chiefs and an Agent to the Govr-General
12 Central India under Native Chiefs and an Agent to the Govr-Genl
13 Hyderabad, under the Nizam, and a Resident at Hyderabad
14 Mysore and Coorg, the first under the Maharajah and a resident at Mysore, and the latter under a Chief Commsr
15 Sikkim, under the Rajah and a Political Agent
16 Baluchistan, under an Agent to the Govr-Genl
17 Gwalior, under the Maharajah and a Resident
18 Jammu and Kashmir, under the Maharajah and a Resident at Srinagar
19 Bhutan, under the Maharajah and a Political Agent

Native States in direct political relations with the Govt. of India Through an Agent to the Govr. General.

Patiala, Bahawalpur, Khairpur (Sind), Jind, Nabha, Kapurthala, Sirmur (Nahan), Mandi, Bilaspur, Maler Kotla, Faridkot, Chamba, Suket, Loharu, Cutch, Idar, Radhanpur, Morvi, Gondal, Junagadh, Nawanagar, Bhavnagar, Porbandar, Dharngadhra, Jafrabad, Wankaner, Palitana, Dhirol, Limdi, Rajkot, Wadhwan, Vijaynagar, Banganapalle, Cochin, Pudukkottai, Sandur, Travancore, Balasinor, Bansda, Baria, Baroda Cambay, Chhota Udaipur, Dharampur, Jawhar, Lunawada Rajpipla, Sachin, Sant, Kolhapur, Jangira, Savantvadi, Mudhal, Sangli, Miraj, Jamkhandi, Kurundwad, Ramdurg, Aundh, Bhor, Akalkot, Phalton, Jath, Savanur

1.—BENGAL PRESIDENCY—Under a Governor.
In Five Divisions under Commissioners and 28 Districts.

(**Population** 50,122,550 of which Moslems are 27,530,321; Hindus 21,537,921; Buddhists 315,801, Christians 180,572, Tribal 523,037; Sikhs 7,320 and Jains 9,167)

(1) BURDWAN DIVISION.
(Hd. Qr:—Chinsurah)

Burdwan S D—Burdwan, Asansole, Katwa and Kalna

Birbhum (Suri) S D—Suri and Rampurhat

Bankura S D—Bankura and Vishnupur.

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Midnapur S D—Midnapur, Jhargram, Ghatal, Tamluk and Contai
Hooghly (Chinsura) S D—Hooghly, Serampur and Arambagh
Howrah S D—Howrah and Ulubaria

(2) PRESIDENCY DIVISION.
(Hd. Qr.—Calcutta)

Calcutta, the seat of the Governor of Bengal
Twenty-four Parganas (Alipur) S D—Diamond Harbour, Alipur Barasat, Basirhat and Barrackpore
Nadia (Krishnagar) S D—Kushtia, Meherpur, Chuadanga, Krishnagar and Ranaghat
Murshidabad (Berhampur) S D—Berhampur, Lalbagh, Jangipur and Kandi
Jessore S D—Jhenida, Magura, Jessore, Narail and Bongaon
Khulna S D—Khulna, Satkhira and Bagerhat

(3) DACCA DIVISION.
(Hd Qr—Dacca).

Dacca S D—Narayanganj, Dacca, Manikganj and Munshiganj
Mymensingh S D—Jamalpur Tangail, Netrakona, Mymensingh and Kishoreganj
Faridpur S D—Faridpur, Madaripur, Gopalganj and Goalundo
Bakarganj S D—Barisal, Patuakhali, Pirojpur and Dakshin Shahbazpur

(4) CHITTAGONG DIVISION.
(Hd Qr:—Chittagong).

Chittagong S D—Chittagong and Cox's Bazar
Noakhali S D—Noakhali and Feni
Tipperah S D—Brahmanbaria, Comilla and Chandpur
Chittagong Hill Tracts (Rangamati) S D—Rangamati and Ramgarh

(5) RAJSHAHI DIVISION.
(Hd. Qr:—Jalpaiguri)

Rajshahi (Rampur Boalia) S D—Naogaon, Rampur-Boalia and Nator
Dinajpur S D—Balurghat, Thakurgaon and Dinajpur
Jalpaiguri S D—Jalpaiguri and Alipur
Rangpur S D—Rangpur, Nilphamari, Kurigram and Gaibandha
Bogra S D—Bogra
Pabna S D—Pabna and Sirajganj
Malda (English Bazar) S D—Malda
Darjeeling S D—Darjeeling, Kurseong, Siliguri and Kalimpong

NATIVE PRINCIPALITIES UNDER THE BENGAL GOVERNMENT.

Cooch Behar, Tripura State.

2.—BOMBAY PRESIDENCY—Under a Governor. In Four Divisions under Commissioners and 28 Collectorates.

(Population 26 398 997 of which Hindus are 16 621,221, Muslims 4,456 897, Christians 317,402, Sikhs 20,895, Jains 20,015, Zoroastrians 89,544 and Jews 17,728)

(1) NORTHERN DIVISION.

Ahmedabad Taluks—North Daskroi, South Daskroi, Dhandhuka, Prantij, Viramgam and Dholka
Bombay Island The seat of the Governor of Bombay
Broach Taluks—Vagra, Jambusar Ankleswar, Amod, Broach and Hansot
Kaira Taluks—Borsad, Anand, Mehmadabad Thasra, Nadiad, Matar and Kapadvanj
Panch Mahals Taluks—Dohad, Kalol and Godhra
Surat Taluks—Bardoli, Olpad, Jalalpur, Mandvi, Chorasi, Bulsar, Chikli, Pardi and Valod
Thana Taluks—Murbad, Shahapur, Bhiwandi, Dahanu, Bassein, Kalyan, Mahim, Wada, Bandra and Salsette

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Bombay Suburban Dist

(2) CENTRAL DIVISION

Ahmednagar Taluks —Sangamner, Shevgaon, Nagar, Karjat, Akolar, Kopargaon, Shrigonda, Parner, Rathuri and Newasa

Khandesh East Taluks —Erandol, Amalner, Raver, Jalgaon, Pachora Bhusawal, Chopda, Jamner, Yawal and Parola

Khandesh West Taluks —Dhulia, Taloda Sakri, Nandurbar, Shirpuri, Shahada, Sindkheda and Nawapur

Nasik Taluks —Kalwan, Igatpuri Chandor, Niphad, Yeola, Nandgaon, Nasik, Sinnar, Baglan, Malegaon, Peint and Dindori

Poona Taluks —Sirur, Junnar, Purandhar, Poona City, Bhimthadi, Mawal, Haveli, Indapur and Khed

Satara Taluks —Tasgaon, Man Walvap, Wai Khanapur, Karad, Javli, Khatav, Satara, Koregaon and Patna

Sholapur Taluks —Pandharpur, Sholapur Malsiras, Sangola, Barsi, Karmala and Madha

(3) SOUTHERN DIVISION

Belgaum Taluks —Chikobi, Gokak, Khanapur, Belgaum, Hukeri, Barasgad and Sampgaon

Bijapur, Taluks —Bagalkot Indi, Bagevadi, Bijapur, Hungund, Sindgi, Badami, Muddebihal, Petha and Bilgi

Dharwar Taluks —Ranebennur, Gadag, Ron Hubli, Hangal, Dharwar, Kod Navalgund, Karajgi, Kalghatgi and Bankapur

Kanara (Karwar) Taluks —Haliyal, Sirsi, Ankola, Karwar, Siddapur, Yellapur, Kumta and Honawar

Kolaba Taluks —Mangaon, Alibag, Karat, Pen, Panvel, Mahad and Roha

Ratnagiri Taluks —Vengurla, Dapoli, Chiplum, Devgad, Sangmeshvar, Ratnagiri, Khed, Malvan, Rajapur, Petas, Mandangad and Guhagar

(4) SIND.

Hyderabad Taluks —Hyderabad, Dero Mohbat, Badin, Hala, Tando Bago, Tando Allahyar, Guni

Karachi Taluks —Mirpur Bathoro Mirpursakro, Kotri, Tatta, Sujawal, Jati, Ghorabari, Karachi Shahibandar

Sukkur Taluks —Shikarpur, Rohri Mirpur, Mathelo, Garhi Yasin, Pano Akil, Sukkur, Ghotki Ubauro

Larkana Taluks —Larkana, Mirokhan, Labdarya, Kakar, Kambar, Dadu, Johi, Ratodero, Sehwan Mehar, Warah

Thar and Parkar (Mirpurkhas) Taluks —Pithoro, Umarkot, Jamesabad, Mithi, Diplo, Sanghar, Khipro, Chachro Digri, Nagar Parkar, Mirpurkhas

Nawabshah Taluks —Naushahro, Sinjhore, Kandiaro, Moro, Shahdadpur, Sakrand, Tando Adam, Nawabshah

Upper Sind Frontier Taluks —Thul, Shahdadkot, Jacobabad, Kandhkot, Kashmor

POLITICAL CHARGES

Mahi Kantha Agency, Rewa-Kantha Agency, Kaira Agency, Surat Agency, Nasik Agency, Thana Agency, Kolaba Agency, Belgaum Agency, Dharwar Agency, Satara Agency, Poona Agency Bijapur Agency, Sholapur and the Southern Maharatta Country Agency, under a Resident, Sukkur Agency

3.—MADRAS PRESIDENCY—Under a Governor. In Twenty-Six Districts and Five Native Principalities.

(Population 47,193,602 of which Hindus are 41,277,370, Muslims 3,305,937, Christians 1,774,276, and Jains 31,206).

Anantapur Taluks —Dharamavaram, Tadpatri, Gooty, Anantapur, Hindupur, Madakastra, Penukonda, Kalyandrug and Kadiri

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Bellary Taluks —Bellary, Adom, Hospet, Alur, Rayadrug, Hadagali, Harpanahalli and Kudligi
Chingleput Taluks —Madurantakam, Conjeeveram, Saidapet, Tiruvallur, Pooneri, Chingleput and Sriperumbudur
Chittoor Taluks —Chitoor, Palmaner, Madanapalle, Vayalpad, Punganur, Chandragiri, Kalahasti, Puttur and Tiruttani
Coimbatore, Taluks —Erode, Palladam, Coimbatore, Dharapuram, Kollegal, Pollachi Udamalpet, Bhavani, Avanashi and Gopichettipalapuram
Cuddapah Taluks —Cuddapah, Rajampet, Jammalamadugu, Pulivendla, Proddatur Badvel, Siddhavattam, Rayachoti and Kamalapuram
Ganjam Taluks —Berhampur, Narasannapetta Ganjam, Chicacole, Parlakimedi, Goomsur, Aska, Ichchapur Sompeta, Russellikonda, Surada Tekkali, Balliguda, Ramagiri, Udayagiri, Kudala and Chatrapur
Godavari (East) Taluks —Ramchandrapuram Amalapuram Bhadrachalam Rajahmundry, Peddapuram, Cocanada, Pittapuram, Tuni, Polavaram, Chodavaram, Vellavaram, Razole and Nagur
Godavari (West) Taluks —Nidadavole, Tadepalligudem, Kamavarapukota Bhimavaram, Narasapur, Ellore and Tanuku
Guntur Taluks —Tenali, Bapatla, Ongole, Narasaravupet Repalle, Vinukonda Sattenapalle, Guntur and Palnad
Kistna Taluks —Gudivada Bandar, Dipi, Bezwada, Nandigama Nuzvid, Gannavaram, Tiruvur and Kaikalur
Kurnool Taluks —Koilkuntla, Nandyal, Pattikonda, Nandikotkur, Cumbum, Markapur, Sirvel, Dhone, Kurnool
Madras Taluk —Madras
Madura Taluks —Madura, Dindigul Tirumanagalam, Melur, Palni, Periyakulam, Nilakkottai and Kodaikanal
Malabar (Calicut) Taluks —Ponnani, Ernad, Kurumbranad, Palghat, Walluvanad, Wynaad, Anjengo, Tangasseri, Calicut, Chirakkal, Kottayam and Cochin
Nilgiris, The Taluks —Coonoor, Ootacamund and Gundalur
Nellore Taluks —Nellore, Gudur, Atmakur, Kandukur, Kavali, Udayagiri, Kanigiri, Rapur, Darsi, Podili, Venkatagiri and Koyur
North Arcot Taluks —Wandiwash, Gudiyattam, Vellore, Polur, Arni, Cheyyar, Tirupattur, Tiruvannamalai, and Kangundi
Ramnad Taluks —Ramnad, Mudukulattur, Paramagudi, Aruppukkottai, Tiruppattur, Tiruvadanai Sivaganga, Srivilliputtur and Sattur
Salem Taluks —Salem, Tiruchengode, Atturi, Hosur, Krishnagiri, Uttankarai, Dharmapuri, Namakkal, Resipur and Omalur
South Arcot (Cuddalore) Taluks —Chidambaram, Vilupuram, Cuddalore Tindivanam Tirukkoyillur, Virddhachalam, Kallakurichi and Gingee
South Kanara (Mangalore) Taluks —Mangalore, Udipi, Kasaragod, Puttur, Coondapoor and Karkal
Tanjore Taluks —Kumbakonam, Nannilam, Negapatam, Tanjore, Mayavaram, Tirutturaipundi, Pattukottai, Mannargudi, Shiyali, Papnasam and Arantangi
Tinnevelly (Palamcottah) Taluks —Srivaikuntam Ambasamudram, Tinnevelly, Nanguneri, Sankarancovil Tenkasi, Tiruchendur and Koilpatti
Trichinopoly Taluks —Trichinopoly Musiri, Udaiyarpalaiyam, Perambalur, Kulittalai, Lalgudi and Karur
Vizagapatam Taluks —Golugonda, Sarvasiddhi, Palakonda, Ankapalle, Virapalli, Vizagapatam, Srungavarapukota, Bimlipatam, Vizianagram, Gajapatinagaram, Salur, Bobbili, Chipurupalli, Pravathipuram, Gunupur, Jeypore, Bissemkuttak, Malkanagiri, Koraput, Nowrangapur, Rayagada, Pattangi, Gudem and Padwa

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NATIVE PRINCIPALITIES UNDER THE MADRAS GOVERNMENT.

Cochin, Travancore, Pudukottah, Sandur, Banganapalle

4.—BIHAR & ORISSA—Under a Governor. In Five Divisions under Commissioners and 21 Districts.

(**Population** 42,329,582 of which Hindus are 31,011,474, Muslims 4,264,790, Tribals 2,048,809 and Christians 341,894)

(1) PATNA DIVISION (Hd Qr:—Bankipur).

Patna (Bankipur) S D—City Sub-division, Patna Sadar, Dinapore, Barh and Bihar

Gaya S D—Gaya, Nawada, Jahanabad and Aurangabad

Shahabad (Arrah) S D—Arrah, Buxur, Sasaram and Bhabhua

(2) TIRHUT DIVISION (Hd Qr:—Muzaffarpur)

Saran (Chapra) S D—Chapra, Gopalganj and Siwan

Champaran (Motihari) S D—Motihari and Bettiah

Muzaffarpur S D—Sitamarhi, Muzaffarpur and Hajipur

Darbhanga (Laheria Sarai) S D—Madhubani, Laheria Sarai and Samastipur

(3) BHAGALPUR DIVISION. (Hd. Qr:—Bhagalpur).

Bhagalpur S D—Bhagalpur, Supaul, Madhipura and Banka

Monghyr S D—Monghyr, Begusarai and Jamui

Purnea S D—Araria (Hd qrs at Basantpur) Kishanganj and Purnea

Santhal Parganas (Naya Dumka) S D—Deoghar, Dumka, Godda, Jamtara, Rajmahal and Pakur.

(4) ORISSA DIVISION. (Hd. Qr:—Cuttack).

Cuttack S D—Cuttack, Kendrapara and Jajpur

Balasore S D—Bhadrak and Balasore

Angul S D—Angul and Khondmals

Puri S D—Puri and Khurda

Sambalpur S D—Sambalpur and Bargarh

(5) CHOTA NAGPUR DIVN. (Hd Qr.—Ranchi).

Hazaribagh S D—Hazaribagh, Chatra and Giridih

Ranchi S D—Ranchi, Khunti Gumla and Simdega

Palamau (Daltonganj) S D—Daltonganj and Latehar

Manbhum (Purulia) S D—Purulia and Dhanbad

Singhbhum (Chaibassa) S D—Chaibassa and Dhalbhum (Hd Qr at Jamshedpur)

ORISSA FEUDATORY STATES.

Patna, Kalahandi, Sonpur, Bamra, Rairakhol, Gangpur, Bonai, Mayurbhanj, Keonjhar, Dhenkanal, Baud, Khandpara, Despalla, Nayagarh, Talcher, Nilgiri, Hindol, Athmallik, Ranpur, Narsinghpur, Seraikela, Kharsawan, Althgarh, Pal-Lahera, Baramba and Tigiria

5.—THE UNITED PROVINCES OF AGRA & OUDH —Under a Governor.

In Ten Divisions under Commissioners, 48 Districts and Three Native Principalities.

(**Population** 49,614,833 of which Hindus are 40,905,586, Muslims are 7,181,927, Christians 205,006, Sikhs 46,500 and Jains 67,954)

(1) MEERUT DIVISION

Dehra Dun Tahsils —Dehra Dun and Chakrata

Saharanpur Tahsils —Saharanpur, Deoband, Roorkee and Nakur

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Muzaffarnagar Tahsils —Muzaffarnagar, Kairana, Jansath and Budhana
Meerut Tahsils —Meerut, Ghaziabad, Mawana, Baghpal, Sardhana and Hapur
Bulandshahr Tahsils —Anupshahr, Bulandshahr, Sikandrabad and Khurja

(2) AGRA DIVISION

Aligarh Tahsils —Atrauli, Aligarh, Iglas Hathras, Sikandra Rao and Khair
Muttra Tahsils —Muttra, Chhata, Mat and Sadabad-Mahaban
Agra Tahsils —Itimadpur, Firozabad Bah, Fatehabad, Agra, Kiraoli and Kheragarh
Mainpuri Tahsils —Mainpuri, Bhongaon, Karhal Shikohabad and Mustafabad
Etah Tahsils —Etah Jaleswar Kasganj, Aliganj

(3) ROHILKHAND DIVISION.

Bareilly Tahsils —Faridpur, Bareilly Aonla, Baheri and Nawabganj
Bijnor Tahsils —Bijnor, Najibabad, Nagina and Dhampur
Budaun Tahsils —Gunnaur, Bisauli Sahaswan Budaun and Dataganj
Moradabad Tahsils —Moradabad, Thakurdwara, Bilari, Sambhal, Amroha and Hasanpur
Shahjahanpur Tahsils —Shahjahanpur, Jalalabad, Tilhar and Pawayan
Pilibhit Tahsils —Bisalpur, Pilibhit and Puranpur

(4) ALLAHABAD DIVISION.

Farrukhabad (Fatehgarh) Tahsils —Kanauj, Chhibramau, Farrukhabad and Kaimganj
Etawah Tahsils —Etawah, Bharthana, Bidhuna and Auraiya
Cawnpore Tahsils —Akbarpur Bilhaur, Bhognipur, Cawnpore, Derapur and Ghatampur
Fatehpur Tahsils —Fatehpur, Khajuha and Khaga
Allahabad, the seat of the Governor Tahsils —Allahabad, Sirathu, Manjhanpur, Soraon, Phulpur, Handia, Karchhana, Meja and Chail

(5) JHANSI DIVISION.

Jhansi Tahsils —Jhansi, Mau, Garotha, Moth, Lalitpur and Mahroni
Jalaun Tahsils —Orai, Kalpi, Jalaun and Kunch
Hamirpur Tahsils —Hamirpur, Rath, Mahoba and Maudaha
Banda Tahsils —Banda, Girwan, Baberu, Mau and Karwi

(6) BENARES DIVISION.

Benares Tahsils —Benares and Chandauli
Mirzapur Tahsils —Mirzapur, Chunar, Robertsganj, Stono Mahal and Dudhi
Jaunpur Tahsils —Jaunpur, Mariahu, Machhlishahr, Shalganj and Kerakat
Ghazipur Tahsils —Ghazipur, Muhammadabad and Saidpur
Ballia Tahsils —Ballia, Rasra and Bansdih

(7) GORAKHPUR DIVISION.

Gorakhpur Tahsils —Gorakhpur, Bansgaon, Hata, Deoria, Padrauna and Maharajganj
Basti Tahsils —Domariaganj, Bansi Harraiya, Basti and Khalilabad
Azamgarh Tahsils —Azamgarh, Tal-ganj Phulpur Sagri Muhammadabad and Ghosi

(8) KUMAUN DIVISION.

Naini Tal Tahsils —Tarai, Haldwani Naini Tal and Kashipur
Almora Tahsils —Almora and Champawat
Garhwal (British) Tahsils —Pauri and Landsdowne

(9) LUCKNOW DIVISION.

Lucknow Tahsils —Lucknow, Mohanlalganj and Malihabad
Unao Tahsils —Unao, Safipur, Purwa and Hasanganj
Rae Bareli Tahsils —Rae Bareli, Dalmau, Maharajganj and Salon
Sitapur Tahsils —Sitapur, Biswan, Sidhauli and Misrikh
Hardoi Tahsils —Hardoi, Shahabad, Bilgram and Sandila
Kheri (Lakhimpur) Tahsils —Muhamdi, Nighasan and Lakhimpur

(10) FYZABAD DIVISION.

Fyzabad Tahsils —Akbarpur, Bikapur, Fyzabad and Tanda

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Gonda Tahsils —Gonda, Tarabganj and Utraula
Bahraich Tahsils —Bahraich, Kaisarganj and Nanpara
Sultanpur Tahsils —Sultanpur, Amethi, Musafirkhana and Kadipur
Partabgarh Tahsils —Partabgarh, Kunda and Patti
Bara Banki Tahsils —Ramsanehighat, Nawabganj, Fatehpur and Haidargarh

NATIVE PRINCIPALITIES UNDER THE GOVT. OF THE UNITED PROVINCES.

Tehri-Garhwal, Rampur, Benares

6.—THE PUNJAB—Under a Governor. In Five Divisions under Commissioners and 29 Districts and also Native Principalities.

(Population 24,018,639 of which Hindus are 6,328,588, Muslims 13,332,460, Christians 414,788, Sikhs 3,064,144 and Jains 35,284)

DELHI, Imperial Enclave, Capital of India and seat of Viceroy, under a Chief Commissioner

(1) AMBALA DIVISION

Hissar Tahsils —Hissar, Hansi, Bhiwani, Fatehabad, Sirsa, Tohana (S T) and Dabwali (S T)
Rohtak Tahsils —Rohtak, Sonepat, Ghajjar and Gohana
Gurgaon Tahsils —Gurgaon, Firozpur Jhirka, Nuh, Palwal, Rewari and Ballabgarh
Karnal Tahsils —Karnal, Panipat, Kaithal, Thanesar and Guhla (S T)
Ambala Tahsils —Ambala, Kharar, Jagadhri, Naraingarh, Rupar and Kalka (S T)
Simla Tahsils —Simla and Kotkhai

(2) JULLUNDUR DIVISION

Kangra Tahsils —Kangra, Dehra, Hamirpur, Nurpur, Kulu and Palampur
Hoshiarpur Tahsils —Hoshiarpur, Dasuya, Gurhsankar and Una
Jullundur Tahsils —Jullundur, Nawashahr, Pillaur and Nakodar
Ludhiana Tahsils —Ludhiana, Jagraon and Samrala
Firozepur Tahsils —Firozepur, Zira, Nathana, Moga, Muktesar, Fazilka and Abohar (S T)

(3) LAHORE DIVISION.

Lahore, seat of the Govr Tahsils —Lahore, Chuman and Kasur
Amritsar Tahsils —Amritsar, Tarn Taran and Ajnala
Gurdaspur Tahsils —Gurdaspur, Batala Pathankot, Shakargarh and Dalhousie (S T)
Sialkot Tahsils —Sialkot, Pasrur, Narowal and Daska
Gujranwala Tahsils —Gujranwala, Wazirabad and Hafizabad
Sheikhupura Tahsils —Sharkpur (S T), Nankana Sahib, Shahdara and Sheikhupura

(4) RAWALPINDI DIVISION.

Gujrat Tahsils —Gujrat Kharian and Phalia
Shahpur Tahsils —Shahpur, Khushab, Bhalwal, Bhera and Sargodha
Jhelum Tahsils —Jhelum, Pind Dadan Khan and Chakwal
Rawalpindi Tahsils —Rawalpindi, Gujar Khan, Murree and Kahuta
Attock Tahsils —Attock, Pindigheb, Talagang and Fatehjang
Mianwali Tahsils —Mianwali, Bhakkar, Isa Khel and Kalabagh

(5) MULTAN DIVISION.

Montgomery Tahsils —Montgomery, Okara, Dipalpur and Pakpattan
Dera Ghazi Khan Tahsils —Dera Ghazi Khan, Sangarh, Rajanpur, Jampur and Dhundi Estate
Muzaffargarh Tahsils —Muzaffargarh, Alipur, Kot Adu and Leiah

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Multan Tahsils —Multan, Shujabad, Lodhran, Khanewal, Mailsi and Kabirwala
Jhang Tahsils —Jhang, Chiniot and Shorkot
Lyallpur Tahsils —Lyallpur, Samundri, Jaranwala and Toba Tek Singh

NATIVE PRINCIPALITIES UNDER THE PUNJAB GOVERNMENT.

Dunjana, Pataudi and Kalsia

Simla Hill States

Jubbal, Taroch, Balsan, Bushahr, Kumnharsain, Darkoti, Sangri, Bhajji, Keonthal and Baghal
Dhami, Mangal, Nalagarh, Bija, Kumhar, Mehlog Kuthar and Baghat
Kaneti, Delath, Koti, Theog, Madhan, Ghund, Ratesh, Rawin and Dhadi

7.—C. P. & BERAR—Under a Governor. In Four Divisions under Commissioners and 19 Districts.

(Population 17,990,937 of which Hindus are 13,338,223, Moslems 682,854, Tribals 1,351,615, Christians 50,584 and Jains 77,895)

(1) NAGPUR DIVISION (Hd Qr:—Nagpur).

Nagpur S D—Nagpur, Kamptee, Ramtek Umrer, Katol and Saoner
Wardha S D—Wardha, Hinganghat and Arvi
Betul S D—Betul & Bhainsdehi
Chhindwara S D—Chhindwara, Sausar, Seoni and Laknadin
Chanda S D—Chanda, Warora, Brahmapuri, Sironcha and Garchiroli

(2) JUBBULPUR DIVISION. (Hd. Qr.—Jubbulpur)

Jubbulpur S D—Jubbulpur City, Sihora and Murwara
Saugor S D—Saugor, Rehli, Khurai, Banda, Damoh and Hatta
Mandla S D—Mandla, Dindori
Hoshangabad S D—Hoshangabad, Seoni-Malwa, Harda, Pachmarhi, Sohagpur, Narsinghpur, Gadarwara
Nimar S D—Khandwa, Burhanpur and Harsud

(3) CHHATTISGARH DIVN. (Hd. Qr—Raipur).

Raipur S D—Raipur, Dhamtari
Bilaspur S D—Bilaspur, Mungeli and Jangir
Drug S D—Drug
Bhandara S D—Bhandara, Gondia and Sakoli
Balaghat S D—Balaghat, Baihar and Waraseoni

(4) BERAR DIVISION. (Hd. Qr:—Amraoti).

Amraoti S D—Amraoti, Chandur, Morsi, Ellichpur, Daryapur and Melghat
Yeotmal S D—Yeotmal, Darwha, Kelapur, Wun and Pusad.
Akola S D—Akola, Balapur, Akot, Murtizapur, Mangrul and Basim
Buldana S D—Chikhli, Mehkar, Malkapur, Khamgaon, Jalgaon

8.—ASSAM—Under a Governor. In Two Divisions under Commissioners and 14 Districts.

(Population 9,247,857 of which Hindus are 4,931,760, Moslems 2,755,914, Christians 202,586, Buddhists 14,955, Jains 2,636 and Sikhs 2,497)

(1) SURMA VALLEY AND HILL DISTRICTS.

Cachar (Silchar) S D—Silchar Hailakandi and North Cachar Hills
Sylhet S D—Sylhet Sadar, South Sylhet (Maulvi Bazar), Habiganj, Sunamganj and Karimganj
Khasia and Jaintia Hills S. D—Shillong and Jowai

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Naga Hills (Kohima). S. D.—Kohima and Mokokchang.
Lushai Hills (Aijal). S. D.—Aijal and Lungleh.

(2) ASSAM VALLEY DISTRICTS.

Goalpara (Dhubri). S. D.—Dhubri and Goalpara.
Kamrup (Gauhati). S. D.—Gauhati and Barpeta.
Darrang (Tezpur). S. D.—Tezpur and Mangaldai.
Nowgong. S. D.—Nowgong.
Sibsagar (Jorhat). S. D.—Jorhat, Sibsagar and Golaghat.
Lakhimpur (Dibrugarh). S. D.—Dibrugarh and North Lakhimpur.
Garo Hills (Tura). S. D.—Tura.
Sadiya Frontier Tract (Sadiya). S. D.—Sadiya, Pasighat.
Balipara Frontier Tract (Charduar). S. D.—Charduar.

NATIVE PRINCIPALITY UNDER THE GOVERNMENT OF ASSAM.

Manipur.

9.—BURMA—Under a Governor.

(Population 14,667,146 of which Buddhists are 12,348,037; Hindus 570,953; Muslims 584,839; Tribal 650,388; Christians 331,106; Sikhs 10,907).

LOWER BURMA.

In Four Divisions under Commissioners and 21 Districts.

(1) ARAKAN DIVISION.

(Hd. Qr:—Akyab).

Akyab. S. D.—Akyab, Pauktaw, Kyauktaw and Buthidaung.
Arakan Hill Tracts. S. D.—Paletwa.
Kyaukpyu. S. D.—Kyaukpyu.
Sandoway. S. D.—Sandoway.

(2) PEGU DIVISION.

(Hd. Qr:—Rangoon).

Rangoon Town, the seat of the Governor.
Hanthawady. S. D.—Twante and Syriam.
Insein. S. D.—Insein and Taikkyi.
Tharrawaddy. S. D.—Tharrawaddy and Zigon.
Pegu. S. D.—Pegu and Nyaunglebin.
Prome. S. D.—Prome and Paungde.

(3) IRRAWADDY DIVISION.

(Hd. Qr:—Bassein).

Bassein. S. D.—Bassein and Kyonpyaw.
Henzada. S. D.—Henzada and Myanaung.
Myaungmya. S. D.—Myaungmya and Wakema.
Mau-bin. S. D.—Mau-bin and Yandoon.
Pyapon. S. D.—Pyapon and Kyaiklat.

(4) TENASSERIM DIVISION.

(Hd. Qr:—Moulmein).

Salween. S. D.—Papun.
Thaton. S. D.—Kyaikto, Thaton and Pa-an.
Amherst. S. D.—Moulmein, Kawkareik and Kyaikkami or Amherst.
Tavoy. S. D.—Tavoy.
Mergui. S. D.—Mergui and Kawthaung or Victoria Point.
Toungoo. S. D.—Toungoo, Pyu and Shwegyin.

UPPER BURMA.

In Four Divisions under Commissioners and 19 Districts.

(1) MANDALAY DIVISION.

Mandalay. S. D.—Eastern Mandalay (Amarapura), Western Mandalay (Mandalay) & Maymyo.
Kyaukse. S. D.—Kyaukse and Myittha.
Meiktila. S. D.—Meiktila and Thazi.

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Yamethin S D—Yamethin and Pyinmana
Myingyan S D—Myingyan and Pagan

(2) MAGWE DIVISION.

Thayetmyo S D—Thayetmyo and Allanmyo
Minbu S D—Minbu and Salin
Magwe S D—Magwe Yenangyaung, and Thaungdwingyi
Pakokku S D—Pakokku, Pauk and Gangaw
Chin Hils (Falam) S D—Falam, Tiddim Haka and Kanpetlet

(3) SAGAING DIVISION.

Shwebo S D—Shwebo, Kanbalu, and Ye-u
Sagaing S D—Sagaing and Myinmu
Lower Chindwin (Monywa) S D—Monywa and Yinmabin
Upper Chindwin (Mawlaik) S D—Mawlaik, Homalin, Kale (Kalewa) and Somra Tract (Chin Hills)
Katha S D—Katha, Wuntho, Banmauk and Mogok
Bhamo S D—Bhamo and Shwegu
Myitkyina S D—Myitkyina, Mogaung, Kamaing, Sadon (Fort Harrison), Htawgaw, Putao (Fort Hertz) and Sumpra Bum

(4) FEDERATED SHAN STATES DIVISION.
(Hd Qr:—Taunggyi).

Southern Shan States (Taunggyi) S D—Taunggyi, Loilem No 1 and 2, Hopong, Yawnghwe, Kyaukme, Kentung and Kalaw
Northern Shan States (Lashio) S D—Kutkai Mongyai, Hsipaw East Hsipaw West, Hsipaw North-Western

10.—NORTH-WEST FRONTIER PROVINCE.
Under a Governor.

(Population 4,684,364 of which Moslems are 2 227,303, Hindus 142,997, Sikhs 42,510 and Christians 12,213)

(1) PESHAWAR DIVISION.

Hazara Tahsils —Abbottabad, Haripur Mansehra, Oghi and Hazara Galis
Peshawar Tahsils —Peshawar, Charsadda, Mardan, Swabi and Nowshera

(2) DERAJAT DIVISION.

Kohat Tahsils —Kohat, Hangu and Teri
Bannu Tahsils —Bannu and Marwat (Lakki)
Dera Ismail Khan Tahsils —Dera Ismail Khan Kulachi, Tank Sherani Country and Jandola

(3) AGENCY DIVISION.

Khyber Agency
Kurram Agency Tahsils —Para-Chinar
Dir Swat and Chitral Agency, Hd Qr Malakand Tahsils —Chitral, Upper Swat and Sam Ranizai (Lower Swat)
North Waziristan and South Waziristan Agencies

11.—RAJPUTANA.
In Five Residencies and 25 States and a British District.

(Population 11 225 712 of which Hindus are 10,013,314, Moslems 1,166,458, Jains 320 245, Sikhs 41,406 and Christians 12,725)

(1) MEWAR RESIDENCY.

Banswara, Dungarpur, Partabgarh, Shahpura and Udaipur
Salumber, Para and Gahunda
Chari, Korabur, Parah, Tanah, Jharole Madri, Chamud Kotra, including Oghna, Panurwa and Durab, Thanah, Jewas

(2) JAIPUR RESIDENCY.

Jaipur, Kishangarh, Rewa and Tonk Sikar and Khetri

(3) HARAOTI AGENCY

Bundi, Kotah and Jhalawar

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(4) EASTERN RAJPUTANA STATES RESIDENCY.

Alwar, Bharatpur, Dholpur, Karauli and Nimrana

(5) WESTERN RAJPUTANA STATES RESIDENCY.

Bikaner, Jaisalmere, Jodhpur and Sirohi

BRITISH DISTRICT.

Ajmer-Merwara

12.—CENTRAL INDIA.
In Seven Agencies and 134 States.

(**Population** of Central India Agency 6,632,790 of which Hindus are 5,835,486, Moslems 376,173, Jains 49,780, Christians 10,476 and Sikhs 1,426 and that of Gwalior 3,523,070 of which Hindus are 3,271,576, Moslems 204,297, Jains 45,079 and Christians 1,198)

(1) GWALIOR RESIDENCY

Gwalior, Raghugarh, Khaniadhana, Paron, Gurha, Umri, Bhadauria, Dharnaoda, Sirsi, Khiauda, Kathaun, Agra Barkhera

Ajraoda, Bardia (Berra), Tappa, Datana, Dhulatia, Jhaleria, Kabiwwhera, Kurandia, Kheri Rajpura, Lalgarh Narwar, Nangaon and Pilpha

(2) INDORE RESIDENCY.

Indore and Hirapur

(3) BHOPAL AGENCY.

Bhopal

Rajgarh, Narsinghgarh, Korwai, Khilchipur, Maksudangarh, Muhammadgarh, Basoda, Pathari, Daria Kheri, Dhabla Dhir, Dhabla Ghosi, Dugri, Jabria Bhil-Kamalpur, Khajuri, Patharia, Piphanagar, Ramgarh, Sadankheri and Suthalia

(4) MALWA AGENCY

Dewas, senr Branch, Dewas, junr branch, Jaora, Ratlam, Sitamau Sailana, Piploda, Bagli, Barkhera Deo Dungri, Barkhera Panth, Bhojakheri, Bichraud I, Bichraud II, Bilaud, Borkhera Dabri, Jawasia, Kherwasa, Khojankhera, Panth-Piploda, Pathari, Sadakheri, Sarwan, Shujaota, Sidri Sirsi, Tal, Uni, Uparwara, Ambao, Arnia, Borkhera II, Chapanor, Guderkhera, Harsoo, Lumarderi, Nevira, Rindon Sanunda, Hujanpura and Mandawal

(5) BHOPAWAR AGENCY BHIL AGENCY.

Dhar, Jhabua, Barwani, Ali Rajpura, Jobat, Bakhatgarh, Bharudpura, Barkhera (Chhota), Barkhera (Mota), Chiktiabar, Dhotria (or Bhaisola), Garhi (or Bhaisakhol), Jamnia, Kacholi, Baroda, Kali Baori, Kathiwara, Kathoria, Kothideh, Mathwar, Multhan, Nimkhera (or Tirla), Rajgarh, Ratanfal, Manpur (British)

(6) BUNDELKHAND AGENCY.

Orchha, Dathia, Samthar, Panna, Charkhari, Ajaigarh, Bijawar, Baoni, Chhatarpur, Sarila, Dhurwai, Bijna, Tori-Fatehpur, Panka-Pahari, Jigni, Lughasi, Behat, Beri, Alipura, Goudihar, Garrauli, Naigawan Rebar Bilheri.

(7) BAGHELKHAND AGENCY.

Rewah, Baraundha, Nagad, Maihar, Sohawal, Kothi, Jasor, Chaube Jagirs—Paldeo, Pahra, Taraon, Bhaisaunda and Kamta Rajaula

13.—THE NIZAM'S DOMINIONS—(Deccan).
HYDERABAD STATE.

(**Population** 14,436,148 of which Hindus are 12,173,327, Moslems 1,535,022, Christians 151,946, Jains 21,543 and Sikhs 5,197)

In Four Subas under Subedars with 15 Districts.

(1) SUBA AURUNGABAD.

Aurungabad
Bihar
Parbhani
Nander

(2) SUBA GULBURGA

Raichur
Gulburga

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Osmanbad
Bidar

(3) SUBA WARANGAL.

Warangal
Kareemnagar
Adilabad

(4) SUBA GULSHANABAD MEDAK.

Medak
Nizamabad (Indur)
Mahbubnagar
Nalgunda

14.—MYSORE & COORG.

Mysore under the Maharaja and a Resident.

(Population 6,557,302 of which Hindus are 6,161,887, Moslems 412,405 and Christians 90,968)

(1) ASHTAGRAM DIVISION

Mysore State Taluks —Bangalore, Hoskote, Dodballapur, Nelamangala, Kankanhali, Magadi, Closepet, Channapatna, Anekal and Devanhalli

Hassan Taluks —Hassan, Manjarabad, Belur, Arsikere, Chennarayapatna, Hole Narsipur, Arkalgud

(2) NAGAR DIVISION.

Chitaldrug Taluks —Challakere, Chitaldrug, Davangere, Hiriyur, Holalkere, Jagalur, Molakalmuru, Hosdurga

Kadur Taluks —Tarikere, Chikmagalur, Kadur, Koppa and Mudigere

Shimoga Taluks —Channagiri, Honnali, Nagar, Shikarpur, Shimoga, Sorab and Tirthahalli

Mysore Dist Taluks —Mysore, Chamrajnagar, Hunsur, Yedalore, Heggadadewankote, Gundlupet, Nanjangud, Tirumakudlu, Seringapatam, Malvilli, Mandya, Krishrajpet, Nagamangala and Narsipur.

(3) NANDIDRUG DIVISION

Bangalore

Kolar Taluks —Kolar, Bowringpet, Chintamani, Srinivaspur, Mulbagal, Sidhlaghatta, Chikballapur, Bagepalli, Goribidnur and Malur

Kolar Gold Fields

Tumkur Taluks —Tumkur, Madagiri, Chiknayakanhalli, Sira, Gubbi, Tiptur, Pavagada and Kunigal

Coorg a British Dist under a Chief Commissioner

15.—SIKKIM—Under a Rajah and a Political Agent.

16.—BALUCHISTAN—Under an Agent to the Govr. Gnl.

17.—GWALIOR—Under the Maharaja and a Resident.

18.—KASHMIR & JAMMU—Under the Maharaja and a Resident.

19.—BHUTAN—Under the Maharaja and a Resident.

FRENCH TERRITORIES.

IN BENGAL

Chandernagore

IN MADRAS.

Karikal, in the Cauveri Delta

Mahe in Malabar

Pondicherry, in S Arcot, seat of Government

Yanaon, in the Godavari Delta

PORTUGUESE TERRITORIES.

IN BOMBAY.

Damaun, near Surat
Diu, Kathiawar.

Goa, the seat of Govt adjoining N Canara

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MARKET PLACES OF BENGAL.

THE Province of Bengal covers an area of 80,000 square miles and is inhabited by 50,122,550 people of whom Moslems are 27,530,321, Hindus 21,537,921, Buddhists 315,801 and Christians 180,572 The country is watered by the Ganges and the Brahmaputra bringing down during inundation rich alluvial deposits of silt which greatly contributes to the fertility of the soil Of the total area in Bengal 22 million acres are normally under cultivation, of which only 1¼ million acres are irrigated The Sunderbans extending along the margin of the Bay of Bengal together with the other forests occupy an area of 4½ million acres

Produce:—Rice is the staple crop of the Province and is grown over 21 7 million acres, the other food grains under tillage being wheat (145,000 acres), and pulses which cover about 1 million acres Next in importance is the jute crop which thrives best in the Ganges-Brahmaputra delta The area under this crop is 2 1 million acres while the yield is about 50 lakhs of bales of 400 lbs each Oil seeds are cultivated over 1 1 million acres of which by far the most important crop is rape and mustard seed (693,000 acres) Among the other oil seeds mention may be made of linseed (124,000 acres) and sesamum (158,000 acres) Other crops are sugarcane (257,000 acres), tea (199,800 acres) tobacco (286,000 acres), gram 175,000 acres, barley 85,000 acres, maize 77,000 acres, sugar yielding palms 58,500 acres, condiment and spices 1,31,100 acres fruits and vegetables 760,100 acres etc Among the fruits grown in the Province the most important are mango, plantain, pineapple, jack fruit, guava, custard apple and several varieties of figs and melons Arecanut and coconut plantations are largely found in S E Bengal Mangoes of Maldah have a good reputation Vegetables are cultivated everywhere

The districts where the produces of Bengal are most prolific are mentioned below Rice—Backerganj, Dacca, Faridpur Midnapur, Mymensingh, Rangpur, Tipperah, Wheat—Malda Murshidabad, Nadia, Rajshahi, Pabna, Barley—Murshidabad, Dacca, Malda, Faridpur, Mymensingh, Gram—Murshidabad, Nadia, Rajshahi Linseed—Nadia, Murshidabad, Jessore, Sesamum—Mymensingh, Pabna, Dacca, Rape and Mustard—Mymensingh, Pabna, Rangpur, Rajshahi, Dacca, Bogra, Dinajpur, Jalpaiguri, Coconut—Khulna, Sugarcane—Faridpur, Dacca, Mymensingh, Rangpur, Dinajpur, Datepalm—Hooghly, Jessore, Cotton —Chittagong Hill Tract, Jute—All districts, Tobacco—Rangpur, Jalpaiguri, Mymensingh, Fruits and Vegetables—Backerganj, Dacca, Mymensingh, Murshidabad, Fodder Crops—Mymensingh, Total area sown—128,675,400 acres

Major Industries:—Writing of major industries prominence must be given to the jute mills of Bengal which have, so to speak, a monopoly business in jute products in India There are in all 92 mills situated chiefly on either bank of the Hooghly They consume about 40 lakhs bales of jute annually The industry now continues depressed due to absence of demand of the jute products in the world's market The industry however is contriving means for its improvement by restricting production

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Another big industry having immense possibilities in the province is the cotton mills There are now only 19 mills in the province producing 40 million lbs of twist and yarn and 114 million yds of piecegoods This obviously hardly meets the demand of the province

Coal mining is a big industry in the province In 1934 about 6 2 million tons of coal was mined in the province The chief centre of production is Raniganj in the Burdwan District

Tea industry flourishes most in the Darjeeling and Jalpaiguri Districts in the province Production is about 60 million lbs in the province

Iron and steel is smelted at Kulti and has great possibilities There are 2 mills doing this business Paper is made in 3 mills in the province and the only factory making paper pulp lies in this province

Among other major industries of the province may be mentioned hosiery mills (17), kerosene tinning and packing (12), general engineering (147), lead smelting and lead rolling mills (3), bakeries (7), flour mills (12), rice mills (337), sugar mills (6), chemicals (7), matches (13), oil mills (48), paints (9), soap (11), potteries (9), glass (11), etc

Cottage Industries—Hand-loom weaving is by far the most important and widespread cottage industry of the Province of Bengal From no district or centre is it absent, while in some centres such as Santipur in Nadia, Chowmohani in Noakhali, Sonamukhi, Vishnupur and others, practically the whole population is absorbed in hand loom weaving and subsidiary occupations as their principal source of livelihood, but, almost always with some stake in the agricultural operations as a source of food supply Hats (markets) such as those at Ramkrishnapur in Howrah Chowmohani in Noakhali, Madhyakul in Jessore and Baburhat and Madhabdihat in Dacca transact business in the sale of mill made yarn of India and foreign origin as well as in the purchase and sale of finished hand-woven products for local and distant consumption

Next to hand-loom weaving, the most striking and widespread home industry is that of brass and bell metal manufacture, i e, the processes by which the brass and bell-metal bronze articles for dietary purpose such as lotas, thalis, etc are made

Silk worm is reared in W Bengal and silk reeling is carried on but the industry is suffering from competition from China, Japan, Italy and France and generally from artificial silk Cotton carpets are made at Nisbetganj in Rangpur, woollen blankets are woven at Jangipur, filigree gold and silver works of Dacca are famous, cutlery of Kanchannagar is noted Conchshell bracelets are made at Dacca and umbrella making is carried on at Chittagong, mat making is practised in Midnapur and Rangpur Among other industries mention may be made of boat building book-binding, electro plating, fishing hooks, gilding, masonry work, musical instruments, tape-making, button making, watch repairing, etc The handicrafts include pottery, carpentry leather manufacture, iron manufacture, shell ornaments, embroidery and lace-making, soft stone carving, horn-carving, lac-work, lace-making, toy-making, wood-engraving, ornamental glassware, clay modelling, metal-inlaying, ivory carving, gold and silver work, etc, etc

Gur is prepared from palm juice in the 24 Parganas, Howrah, Faridpur and Midnapur, but there are thousands of palm trees in Bankura, Birbhum and Burdwan which are not utilized for this purpose From the figures collected from the Diamond-Harbour area, it appears that a tapper can tap about 10 to 15 trees, and he earns from Rs 120 to Rs 300 during the season of approximately four months A tree yields, on the average, about 3 maunds of gur Palm gur has an

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excellent flavour, it contains about 91 per cent sugar of which 86 per cent is cane sugar From these results, it is quite apparent that the people of Bankura, Birbhum and Burdwan can earn lakhs of rupees if they only take to the preparation of palm gur

Minerals:—Coal is the chief mining industry Raniganj fields yield about 30 per cent of the coal of India It is situated within about 75 miles of Calcutta

Factories.—Registered factories in Bengal numbered 1610 at the close of 1933 At the close of the year the number of operatives employed in registered factories was 455,018 compared with 454007 in 1932 The number employed in 92 jute mills was 246717 while only 31 429 persons were employed in 19 cotton spinning and weaving mills There were 2 silk mills and 3 paper mills employing 374 and 4,472 operatives, respectively

Present Situation:—While the conditions of industries depending upon world conditions such as jute, vegetable oil crushing etc, have continued in a morbid state of depression, industries more definitely related to internal trade have shewed signs of advance and expansion Taking the index figure of industrial activity for 1928 as 100 as regards the cotton textile industry, while the United Kingdom, the United States of America and France all show falls rising up to 25 per cent, in India there was an increase of 41 per cent compared with 34 per cent increase in the case of Japan Bengal has shared this increase not only by adding considerable equipment to the existing cotton mills but also by embarking upon the erection of new mills Eight new cotton mill concerns have been established since 1932, some of which are equipped with the most up-to date machinery and are now approaching or actually have commenced the production stage Similarly in the case of the sugar industry 19 new concerns were floated in 1932-33 and 14 in 1933-34 While most of these are small concerns two are of large size capable of dealing with 400 tons of cane per day and have already reached the production stage The general increase in the use of power under organised factory conditions in Bengal is another indication of this advance The industrial advance in the province has however not been confined to organised industries alone Improved processes and methods based on up to date knowledge have been definitely adopted in bringing into existence numerous soap, shoe making, pottery, brass, cutlery, jute and wool weaving and umbrella making industries, able to attract a growing market for their products

The production of gunny bags etc, from jute, and their disposal on a small scale would be highly beneficial to the cultivators if they can turn their jute into finished products and find a market for them There is also much field for tanning in Bengal The deplorable condition of our Muchis (shoe makers) is beyond description If village Muchis could take to tanning and the preparation of shoe and sandals for the use of villagers it would mean bread to those semi starving people

Rural Reconstruction:—The Government of Bengal have decided with the approval of the Central Government, to spend the sum of Rs 16 lakhs allotted to them, on the following heads —The establishment of seed, paddy and crop demonstration centres Rs 1,09,000, The improvement of cattle and fodder crops Rs 1,75,000, The improvement of poultry Rs 500, Propaganda work in the districts Rs 20,000, The establishment of an experimental rural broadcasting service in the Midnapore District Rs 82,000 The improved marketing of jute and paddy Rs 50,000, The establishment of coir spinning and weaving demonstration parties Rs 40,700; The establishment of Union Board dispensaries and the improvement of water supplies in rural areas Rs 3,50,000, The introduction into selected Secondary School of agri-

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cultural and manual training, the provision of school playgrounds in rural areas, village playgrounds and village libraries and halls Rs 1,80,000, Grants-in-aid to the Boy Scout, Girl Guide and Brotachari movements Rs 20,000, Minor drainage and flushing schemes in rural areas Rs 3,30,000, Improvements in the Chittagong Hill Tracts Rs 25,000, Discretionary grants to Commissioners and District Officers Rs 2,17,800 The figures given are approximate and the amounts may have to be varied, subject to a total expenditure not exceeding Rs 16 lakhs

Agricultural Research:—The Government of Bengal have decided to start 440 agricultural research stations in different centres of Bengal These bureaus will disseminate information about improved system of cultivation and study the possibilities of introducing such crops as sugar-cane groundnut, potato, barley, linseed, tobacco according to the local conditions

Co-operative Movement:—According to a report of the working of the Co-operative Department of the province for the year ended June 30, 1934, it appears that although owing to the low price of jute and some other agricultural commodities the efforts of the Co-operative Department could not bring about any appreciable improvement in the financial position of the Co operative Societies, they seem to have definitely succeeded in arresting the movement again on the upgrade

In the credit side, the total number of the Co-operative Societies fell from 20 000 to 19,892 with a decline in membership from 465,237 to 457,083 A fall in deposits from members was almost inevitable but the fall was slight, being only from Rs 19 83 to Rs 19 78 lakhs Due however to the efforts of the Department, the societies considerably added to their strength, by increasing their working capital from Rs 5 69 to Rs 5 73 crores, their paid up share capital from Rs 55 27 to Rs 55 88 lakhs, the portion of working capital owned by the societies themselves from Rs 208,74 to Rs 226,13 lakhs and the reserve fund from Rs 133 64 to Rs 150 45 lakhs

Sericulture in Bengal:—In pursuance of their decision to assist the development of the sericultural industry by annual grants for five years aggregating Rs 1,00,000 a year, the Government of India have sanctioned a total grant of Rs 41,347 to the Government of Bengal for the current financial year for expenditure on the following —A scheme for the production and supply of disease-free seed cocoons through the agency of rearers in the silk producing areas under departmental supervision for industrial purposes—Rs 38,847, a scheme for determining the comparative efficiency of disinfectants for the prevention of disease of silkworms —Rs 2 500

Tobacco Tax:—In pursuance of the Tobacco Act recently passed by the Bengal Legislative Council a new department to be known as the Tobacco Licensing Department has been opened for the issue of licenses for tobacco sales The Department will be in charge of Mr B Rahman, Superintendent of Excise and Salt assisted by four sub-Inspectors in Calcutta A list of tobacco sellers has been prepared and it is estimated that there are about 10 000 sellers in Calcutta alone It is believed the figure for the whole of the Presidency will be in the neighbourhood of two lakhs It is understood that the tax comes into operation from the 1st of September, but one month's grace will be given to the sellers exempting them from prosecution for want of license The license fee for the wholesale dealer will be Rs 6 per year and the retail will be Rs 3 The **hat** and market license will vary from Rs 3 to Re 1 There will be Hawker's license of Re 1 and also temporary license of Re 1 per week for the dealers subject to a maximum of Rs 3 per year

It is estimated that the tax will yield a revenue of over five lakhs

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Government Support:—The Government have authorised various Heads of Departments to exercise their power to granting preference, in respect of price, to articles wholly or in part produced or manufactured in Bengal or, as a second consideration, elsewhere in India. The limit of such preference is fixed at 5 per cent

The Government of Bengal thus seeks to encourage Bengal and Indian industry to the utmost extent consistent with economy and efficiency. With a view to giving effect to this policy the preamble to the Bengal Stores Rules, 1933, empowers departments of the Government of Bengal and officers specially authorised on this behalf to allow a limited degree of preference in respect of price to articles produced or manufactured in Bengal or alternatively elsewhere in India.

Railways:—There are about 3,500 miles of railways, about 3,500 miles of metalled roads and about 35,000 miles of unmetalled roads. There are about 2,000 miles of navigable rivers.

Transport:—Besides, railways, the chief transport agencies in Bengal are steamers and country boats In big towns motor lorries are gradually ousting the indigenous cart for carrying goods.

Length of Canals:—In irrigation works properly so called, the length of canals and distributaries in operation during the year was nearly 525 miles distributed as follows:—

Midnapore Canal, 416 miles; (including 65 miles of navigable channels); Eden Canal, 45; Bakreswar Canal, 21; Damodar Canal 43.

Area Irrigated:—The total area irrigated with the help of these canals was approximately 48,000 acres, of which the Midnapore canal was responsible for 20,000 acres, the Eden for 15,000 acres, the Bakreswar for 7,500 acres and the Damodar for 5,500 acres This with nearly 2,000 acres irrigated from the Salbundh and Amjore weirs in the Bankura District, bring up the total irrigated area for the province to half a lakh acres The important project under construction during the year was the Damodar Irrigation Canal.

Imports and Exports:—The principal imports are yarn, textile fabrics, metals, machinery, oil and chemicals, while the exports are jute, coal, tea, opium, hides, rice, linseed, indigo and lac. The following table summarises the sea-borne and coasting trade of Bengal during 1931-32 and two previous years The figures embrace the subordinate ports of Chittagong, Narayanganj, Chandpur, Cox's Bazar, Barisal and Nilla.

	Sea-Borne.			Coasting.		
	1932—33	1933—34	1934—35	1932—33	1933—34	1934—35
	(in lakhs of Rs)			(in lakhs of Rs)		
Imports.						
Merchandise	35,84	33,29	36,61	18,90	14,16	19,53
Treasure	27	9	13	1,48	43	61
Exports.						
Merchandise						
Foreign	33	35	34	1,23	90	91
Indian	56	64	63	10,60	7,94	9,72
Treasure	2,80	2,73	3,51	0.5	1	2
Grand Total — (Excluding Treasure)—	92,27	97,41	99,57	30,73	22,99	30,16

COASTING TRADE DURING 1934-35.

Imports:—Books Etc. Rs. 89,000; Boots & Shoes Rs. 67,000; Building Materials Rs 2,12,000; Candle Rs. 4,78,000; Coir Rs. 12,26,000; Drugs and Medicines Rs. 2,53,000; Cutch Rs. 4,37,000; Turmeric Rs. 2,07,000; Fish Dry Rs. 1,33,000; Fodder Rs. 1,02,000; Vegetables Fresh Rs. 13,88,000;

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Do Dried Rs 3,14,000, Gram Rs 3,94,000, Pulse Rs 2,65,000, Rice in the husk Rs 33,50,000, Do in the husk Rs 5,62,89,000, Wheat Rs 91,64,000, Wheat flour Rs 7,82,000, Gums and Resins Rs 2,61,000; Hardware and Cutlery Rs 3,43 000, Lac stick Rs 11,46,000, Matches Rs 2,53,000, Tin Rs 3,87,000, Metals and Ores unenumerated Rs 10,63,000, Petroleum Rs 19,84,000, Kerosene Rs 2,16,74,000, Lubricating oils Rs 19,97,000, Coconut oil Rs 11,76,000, Groundnut oil Rs 8,23,000; Paints & Colours Rs 1,10,000, Butter Rs 1,28,000, Ghee Rs 1,15,000, Other Provisions Rs 10,10,000, Salt Rs 26,44,000, Groundnut Rs 21,66,000, Rape Rs 10,93,000, Other oil seeds Rs 4,95,000; Betelnut Rs 2,06,000, Cardamom Rs 6,91,000, Pepper Rs 11,66,000, Tea Rs 2,73,000, Cotton Rs 49,70,000, Twist and yarn Rs 1,47,94,000, Piecegoods Grey Rs 2,94,38,000, Do white Rs 1,20,000, Do Coloured Rs 31,000, Do other sorts Rs 2,59,000, Tobacco raw Rs 7,46,000, Cigarettes Rs 21,67,000, Other sorts Rs 2,43,000, Teak Rs 53 90,000, Other wood Rs 18,17,000, Total Rs 18,35, 06,000, Foreign Merchandise Rs 68,96,000

Exports:—Apparel 2,90,000, Boots & shoes Rs 5,76,000, Building Materials Rs 1,89,000, Chemicals Rs 1,96 000, Coal & Coke Rs 1,49,32,000, Cordage and Rope Rs 4,27,000, Drugs and Medicines Rs 10,59,000, Fish Dry Rs 1,78,000 Fodder Bran etc Rs 2,08,000, Vegetables Fresh Rs 5,83,000, Do Dried Rs 89 000, Pulse Rs 13,65,000, Rice not in the husk Rs 11,95,000, Wheat Flour Rs 10 88,000; Hardware & Cutlery Rs 14,04,000, Cow hides Rs 7,56,000, Goat Skins Rs 1,65,000, Tanned hides, etc Rs 3 23,000, Liquors Rs 1,20,000, Manures Rs 86,000; Matches Rs 8,92,000, Mats and Mattings Rs 2,92,000, Brass Bronze etc, Rs 2,32,000, Copper Rs 4,18 000, Iron Rs 29,88,000, Tin Rs 12,97,000, Kerosene Rs 3,06,000, Linseed oil Rs 3 98,000 Mustard or Rape oil Rs 3 15,000, Paint & Colours Rs 10,43,000, Paper and Pasteboard Rs 19,94 000 Ghee Rs 9,56,000, Other Provisions Rs 8 14,000, Salt Rs 1,33,000, Seeds Essential Rs 2 51,000, Cotton Rs 1,08,000, Sesamum Rs 5 29,000 Betelnuts Rs 22,29,000, Chillies Rs 17,88,000, Pepper Rs 82 000, Sugar Rs 10,94,000, Tallow and stearine Rs 1,26 000, Tea Rs 80,33 000, Twist and yarn Rs 20 10,000, Piecegoods Grey Rs 7,54,000, Do White Rs 1,02,000, Do Coloured Rs 3,55,000 Jute Rs, 17,18,000, Gunny bags Rs 2,27,13,000 Gunny Cloth Rs 34,36 000, Rope and Twine Rs 7,39,000, Tobacco Raw Rs 19,12,000, Cigarettes Rs 1,02,000, Umbrellas Rs 1 95,000 Total Rs 9 17,25 000

RAIL AND RIVER BORNE TRADE DURING 1934-35.

Imports —Cement 1143,000 mds (mainly from C P), Coal & coke 50,712 000 mds (mainly from Bihar and Orissa), Kapas 99,000 mds (from Assam), Cotton raw (pucca bales) 47,000 mds, Cotton twist and yarn, foreign 52,000 mds, Do Indian 471,000 mds, piecegoods foreign 51,000 mds, Do Indian (bales) 67,000 mds, Do in boxes 31 000 mds, myrobalans 91,661 mds (from C P) fruits dried 12,000 mds, Glass 42,450 mds, rice in the husk 868 000 mds, rice not in the husk 4,649,000 mds, wheat 183,000 mds, wheat flour 1 125,000 mds, other grains and pulses 1,726,000 mds, hemp fibres 702,345 mds, hides raw 37,000 mds, loose jute 117,928 mds, Do pucca bales 615,000 mds, gunny bags and cloth 191,000 mds; iron and steel, etc 4,048,000 mds, manganese ore 698,000 mds; oil cakes 1,952,000 mds kerosene oil 1 436,000 mds; vegetable oils 834,000 mds; linseed 184,000 mds, rape and mustard 1,298,000 mds; sesamum 72,000 mds, ghee 75,000 mds, salt 5,077,000 mds; sugar 1,457,000 mds; gur 1,294,000 mds, tea 927,000 mds; tobacco 206,000 mds; teak 134,538 mds; other timbers 1 598,000 mds

Exports:—Bone 154,000 mds, cement 120,000 mds; coal 111,230 mds; kapas 128,000 mds, piecegoods Indian 96,000 mds, fruits dried 175,000

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mds, rice with husk 2,573,000 mds, Do not in the husk 5,429,000 mds, grains, etc 1,139,000 mds, hemp fibres 42,000 mds, raw hides 379,000 mds, raw skins 54,000 mds, loose jute 1,006,000 mds, Do pucca baled 18,707,000 mds, gunny bags and cloth 588,000 mds, iron and steel 2,416,000 mds, lac and shellac 19,100 mds, kerosene oil 4,248,000 mds, linseed 144,000 mds, rape seed 86,000 mds, salt 377,000 mds, sugar 119,000 mds, gur 96000 mds, tea 834,314 mds, tobacco 474,000 mds, other timbers 1,246,000 mds, wool raw 63,000 mds

CALCUTTA

CALCUTTA, the capital and chief port of the Bengal Presidency, although no more the seat of Imperial Government since 1911, is decidedly the premier city in India and is only second to London in the British Empire It stands on the left bank of the Ganges, a navigable river and only 86 miles away from the Bay of Bengal A net work of canals and rivers is responsible for centralising the products, both manufactured and raw, from the rich plains washed by the Ganges and the Brahmaputra to Calcutta The three main railway lines, viz, E I Ry, B N R and E B Ry, terminate here Its position as a port maintains its importance as a great importing and exporting city

Industries:—Leaving apart its great jute industries, standing on both banks of the Hooghly, which are the monopoly of Bengal in the world, Calcutta has earned for herself the fame as the industrial capital of India Factories for the manufacture of the various goods are springing up in the city and in the suburbs Soap business has gone ahead and soaps of the best type are being manufactured Chemicals and acids for the industrial and medicinal uses are manufactured Cotton mills also are getting firm hold in the neighbourhood of Calcutta

Flour, rice and oil mills also flourish in the outskirts of Calcutta, and Chetla and Ultadingi are famous for the rice husking, etc Silk goods are manufactured in Ultadinghi Iron and engineering workshops are scattered all over the city Pencils, pens, nibs, coirs, matches, potteries and brushes of the very best type are also being manufactured Tanneries have also gained in strength in recent years Toilet goods, perfumes boot polishes, hosiery and other articles of every day necessity are being produced Wire netting, biscuit and barley making, confectionery and condiment preserving nail making, galvanising, etc have for the first time in India being taken up on an industrial scale There has been a great development recently in the manufacture of galvanised wares, steel trunks, bolts, nuts, celluloid goods, horn articles, tin boxes, serums and vaccines, brick and tile making, enamelled and porcelain wares, glassware, crown cork, cookers, etc, etc Manufacture of Electric bulbs and rubber shoes is also a new development in the Province Other important industries carried on a commercial basis within the municipal limits are, manufacture of type foundry and casting of metals, manufacture of fireworks cardboard boxes and envelopes, brass and copperware, umbrella sticks and polo sticks, sugarcandy, hats, bookbinding, tailoring, embroidery, laundry work and dyeing and cleaning, leather goods, repair of motor-cars and carriages watches and clocks etc, printing of cloths and cloth borders, manufacture of specially treated fabrics, tracing cloth and waterproof cloth, tobacco pressing and packing and biri manufacture, and manufacturing of ivory and conch-shell articles, weaving of gold threads, manufacture of candles, ink, wigs and theatrical requisites, musical instruments, radio accessories, etc

Trade:—The chief trade of Calcutta centres round jute, tea, grains and pulses, cotton goods, hides and skins, manganese ores, pig iron, coal, etc Jute trade is the distinctive feature of Calcutta Calcutta is the great jute centre of the world and the foreign countries interested

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in jute make their purchases here. Country boats and river steamers bring down the raw jute from the fields of Eastern Bengal and unload the products here. The local presses and mills, some 150 in number, standing on either side of the Ganges are also extensive purchasers. They press the jute and manufacture jute cloths and bags, which find ready sale in the world's marts. Prosperity of Bengal in fact depends upon the price at which jute sells in the market.

The tea trade is growing to greater and greater importance. Large quantities of tea are brought to the Calcutta markets from Darrang, Lakhimpur, Sylhet, Darjeeling, etc., for distribution and shipment. The chief market is United Kingdom which absorbs about 85 per cent. of the whole exports. Of the other countries, the important are N. America, Asiatic Turkey, Australia, etc. Chittagong stands as a competitor of Calcutta so far as tea is concerned.

Calcutta consumes on an average over 500 maunds of fish daily, and the supply is inadequate. According to one of the big dealers even twice the quantity would not be sufficient to meet the demand Within the past 10 years the demand has increased by about 40 per cent. while the supply has increased only by 25 per cent. The supply comes mainly via the B. N., the E. I. and the E. B Railways to Howrah, Sealdah and Patipukur stations while small suppliers come from such places as Basirhat, Diamond Harbour, Baruipur, the salt lake areas by lorries, motor boats and coolies. To Howrah station come daily about 150 maunds of fish including 100 maunds of sea fish from Puri, Chilka, etc., and Sealdah receives more than 200 maunds daily

Calcutta is the pivot of the rice trade in Bengal. It is not only the exporting centre of Bengal (which even now annually exports 100,000 tons of rice) but also the chief consuming and distributing centre. Of 300 odd rice mills in Bengal, Calcutta alone has over 150 mills. More than 10,000,000 mds. of paddy are required annually to keep these mills going but largely owing to the high rates charged by railways in spite of a decline of prices of paddy by about 50 p.c. during the last few years the mills are in a bad way and their condition is daily worsening in the face of Rangoon competition

The latest statistics of total salt imported in Bengal during 1933-34 shows that 1,23,23,620 maunds were imported. During the last hundred years, i.e., since 1835 when the Liverpool salt first made its appearance here, Bengal has paid out to outsiders at least 125 crores of rupees for salt consumed. This shows how Bengal has suffered in the past. But her suffering still continues and she is still at the mercy of the Bombay manufacturers and merchants who are exploiting her The Indian Tariff Board pointedly remarked that with the introduction of modern plants Bengal can compete with any other province or country in supplying her own want.

The internal trade of Bengal consists mainly of transactions between the port of Calcutta and the rest of the Presidency. Calcutta is the biggest port in India. The figures of tonnage handled by the Calcutta Port Commissioners are as follows:—

Shipping.

	1930-31	1931-32	1932-33	1933-34	1934-35
		(figures in 1,000).			
Nett tonnage of vessels entering port	4,382	4,190	3,829	3,870	4,069
Jetty Imports	553	380	469	447	513
Dock Imports	647	587	362	463	745
Dock Exports (General)	1,440	1,251	1,123	1,412	1,438
Dock Exports (Coal)	2,389	2,596	2,559	2,191	2,677

DRINK & SELL SYRUP. "MANUFACTURE OF SYRUP" Explains the process. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

Imports

The following table shows the comparative importance of the principal articles imported into Calcutta

	1930-31	1931 32	1932 33	1933-34	1934-35
		(in lakhs of rupees)			
Cotton goods	8,65	5,23	7,12	4,86	6,14
Metals and ores	5,10	2,75	3,04	3,21	3,99
Machinery and millwork	5,31	3,11	3,81	4,96	4,39
Sugar	3,92	1,89	1 22	31	25
Oils	3,42	3,40	2,46	2,85	2,00
Hardware	1,14	82	96	91	93
Spices	1,33	95	66	64	66
Motor cars	1,14	66	55	70	76
Provisions	1,13	86	70	69	75
Paper	87	70	81	81	83
Tobacco	53	39	44	30	23
Papermaking materials	40	33	20	24	24
Liquor	93	67	64	60	66
Chemicals	1,01	97	1,05	1,08	1,18
Salt	82	57	55	37	65
Woollen goods	56	30	47	46	74
Drugs	66	65	62	68	61
Glass and glassware	49	34	38	36	37
Rubber	50	43	40	42	47
Artificial Silk	38	37	40	26	34
Paints	40	28	31	29	32
Tea chests	43	33	28	33	32
Boots and shoes	39	31	27	28	18
Dyeing and Tannin Substances	30	21	25	23	25
Silk Goods	27	22	25	15	19
Wood and Timber	27	15	15	14	16
Cycles	28	22	27	29	34
Manures	21	12	11	17	17
Stationery	26	22	23	21	20
Belting	22	13	16	15	15

Among the other imports mention may be made of grain, pulse and flour (13), instruments, etc, (168), soap (12), leather (14), toys (18), toilet requisites (20), umbrella and umbrella fittings (14), building and engineering materials (14), haberdashery and millinery (10), books (20), apparel (19), wool raw (20), the figures within brackets refer to the value of imports in lakhs of rupees during 1934-35

Exports.

The following are the chief exports —

	1930-31	1931 32	1932 33	1933 34	1934-35
		(in lakhs of rupees)			
Jute Manufactures	31,85	21,86	21,65	21,33	21,42
Jute, raw	12,46	10,39	9,35	10,16	10,24
Tea	14,64	10,65	9,42	11,60	11,26
Lac	3,11	1,83	1,24	2,45	3,27
Hides and skins, raw	3,33	2 33	1,87	2,80	2,00
Metals and ores	2,72	2,01	1,59	1,59	1,54
Seeds	3,28	1,09	60	2,11	1,30
Grain, pulse and flour	2,36	1,90	1,62	1,18	1,20
Opium	1,22	87	11	73	7
Mica	56	32	26	36	61

DRINK & SELL SYRUP. "MANUFACTURE OF SYRUP" Explains the process INDUSTRY BOOK DEPT., Shambazar, Calcutta.

	1930-31	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees)			
Coal	49	55	44	37	30
Manures	63	18	7	11	15
Oilcakes	32	47	44	24	25
Hemp, raw	29	19	23	24	26
Paraffin wax	57	33	35	10	20
Woollen manufactures	37	40	46	54	70
Dyeing and tannin substances	37	33	30	25	23
Cotton, raw	28	22	22	41	30
Provisions	21	18	15	12	13
Spices	23	15	16	13	13
Drugs	2	9	15	3	4
Apparel	13	9	7	9	9
Leather	6	8	12	20	14
Saltpetre	6	9	9	10	10
Bones	—	30	16	16	24
Oils	9	7	6	6	6
Tobacco	7	7	7	6	3

The other items include instruments (8), cordage and rope (4), kapok (3) and paints (2), etc

RAIL AND RIVER BORNE TRADE DURING 1934-35.

Figures illustrating the nature of the rail and river borne trade in Bengal follows —

Exports:—Cement 506,000 mds, coal 4,902,000 mds, cotton raw kapas 55,000 mds, Do pucca bales 31,000 mds, twist and yarn foreign 88,000 mds, Do Indian 606,000 mds, piecegoods foreign (bales) 259,000 mds, Do boxes 112,000 mds, Do Indian (bales) 1,139,000 mds, Do boxes 4,000 mds, fruits dried 42,000 mds, glass 141,000 mds, rice 13,199,000 mds, wheat 82000 mds, wheat flour 1,219,000 mds, grains and pulses 931,000 mds, hides raw 77,000 mds, tanned leather 26,000 mds, jute raw 142,000 mds, Do pucca bales 905,000 mds, iron and steel 5,121,000 mds, lac and shellac 140,000 mds, oil cakes 333,000 mds, kerosene oil 974,000 mds, vegetable oils 477,000 mds, salt 10,471,000 mds, saltpetre 17,000 mds, sugar 301,000 mds, tea 386,000 mds, tobacco raw 86,000 mds, teak 311,000 mds, other timber 259,000 mds, wool raw 21,000 mds, cotton seed 52,000 mds, groundnut 43,000 mds, rape and mustard 50,000 mds

Imports:—Bone 1184,000 mds, cement 2169,000 mds, coal 112,592,000 mds, kapas 177,000 mds, cotton pucca bales 308,000 mds, cotton twist and yarn 196,000 mds, piecegoods foreign 17,000 mds, Do Indian 986,000 mds, myrobalans 828,000 mds, fruits dried 82,000 mds, paddy 2,396,000 mds, rice 2,023000 mds, wheat 2,687,000 mds, wheat flour 44,000 mds, grains and pulse 5,226,000 mds, hemp fibres 355,000 mds, hides raw 642,000 mds, skins raw 209,000 mds, leather 30,000 mds loose jute 1028,000 mds, do pucca bales 22,821,000 mds, iron and steel 5,300,000 mds; lac and shellac 730,000 mds, manganese ore 6,432,000 mds, nuca 115,000 mds, oil cakes 475,000 mds, kerosene oil 992,000 mds, vegetable oils 182,000 mds, castor seed 438,000 mds, groundnut 126,000 mds, linseed 2,983,000 mds, rape and mustard 2,862,000 mds, ghee 260,000 mds, saltpetre 211,000 mds, sugar 1,350,000 mds, gur 539,000 mds, tea 2,032,000 mds, tobacco raw 492,000 mds, timber 1,192,000 mds, wool raw 54,000 mds

COASTING TRADE DURING 1934-35.

The following table supplies figures of the coasting trade of Calcutta for the five years ending 1934-35

You can Manufacture Writing Ink & Sell it. Read "MANUFACTURE OF INK." Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Imports.	1930-31	1931-32	1932-33	1933-34	1934-35
	(in lakhs of rupees)				
From Bengal	3,65	4,69	6,24	2,92	4,01
„ Sind	27	99	1,10	69	1,36
„ Madras	3,41	2,67	2,46	2,06	2,66
„ Burma	7,19	8,08	6,60	5,41	7,48
„ Bihar & Orissa	5 4	4	5	3 2	3 5
„ Other Bengal Ports	12 13	12 1	13	5 4	4 2
„ Indian Ports not British	70 54	49 4	69	64 8	39 1
	15,40	17,09	17 28	11,81	15,97

Exports.	1930-31	1931-32	1932 33	1933-34	1934-35
	(in lakhs of rupees)				
To Bombay	1,16	2,28	2,06	1,27	1,96
„ Sind	47	56	71	57	78
„ Madras	1,88	1,94	2,06	1,23	1,71
„ Burma	6,77	5,67	5,15	4,19	4,35
„ Bihar & Orissa	7	9	10	7	8
„ Other Bengal Ports	15 8	13	13	10 3	10 4
„ Indian Ports not British	17	19	37	38	53
	11,19	10,87	10,58	7,81	9,52

Imports:—Receipts of rice and mineral oil from Burma showed marked improvement Imports of paddy and timber from Burma also recorded an increase Bombay sent 84 lakhs more of grey piecegoods, 15 lakhs more of coloured piecegoods and 6 lakhs more each of raw cotton and twist and yarn Arrivals of wheat from Karachi very greatly increased, rapeseed and cotton seed from that source also advanced The rise in imports from Madras is accounted for increased receipts of groundnuts, tobacco, cotton twist and yarn, imports of coconut and groundnut oils, pepper and raw cotton also continued to rise Salt from all Indian sources and specially from Sind and non-British Indian ports showed considerable improvement

Exports:—The principal increases in exports to Bombay occurred under tea, gunny cloth and gunny bags Madras made an improvement in her demands for most of the commodities of which coal, chillies and tobacco were benefitted most Sind took 9 lakhs more of gunny bags and cloth and 5 lakhs more of coal Exports of gunny bags and cloth, provisions, hardware and chillies to Burma increased but her demands for tin, betelnuts and tobacco were less

An account of the principal markets in Bengal follows, district by district

BACKERGANJ DISTRICT.

The district covers an area of 3,649 sq miles and has a population of 2,935,116 of which 1,504,020 are males and 1,431,096 are females

The district is situated on the border of the Bay of Bengal and a part of it may be included in the Sunderbans which is a very fertile tract of land and produces immense quantities of rice and other crops including jute, coconut, pulses (mainly masur), betelnuts, etc Area under crops in 1932-33 Rice 1,730,000 acres, sesamum 5,500 acres, linseed 1,000 acres; oil seeds 8,000 acres, pulses 55,000 acres, sugar cane 32,000 acres, jute 22,000 acres, condiments and spices 3,000 acres,

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fruits and vegetables 169,000 acres, total 2,022,000 acres The district is famous for balam rice and betelnuts which grow in abundance here Calcutta alone consumes about 15 lakhs of tons of this rice Balam rice is also exported to other parts of the province Linseed, hides and skins, sundri wood, coconuts, sugar, earthen jars, bamboos, bones, fish, ghee, cart-wheels, etc, are imported to this town by carts and steamers and also by boats from various parts of the district and are exported to various places of the province Among other fishes, oysters are found in this district, which are also exported.

The chief cottage industries are cutlery and fine cloths of UZIRPUR Ramdaos, razors, nut-crackers scissors and saws for cutting conch shells, which are made here and at BARAPAIKA, are widely sold. Brass nibs and white metal nibs are also made at PATUAKHALI Sitalpati mats of fine quality are also made here A rough kind of mat is made from "hogla," which is a char reed, and used by the poor as bedding Hogla matting is a special product of the Backerganj district and is made throughout the district JHALAKATI does a special trade in it and it is exported to Calcutta and other places It is also used in the making of bags for exporting dried fish Fine specimens of earthen ware, with shining black and red polish, are made at UZIRPUR BARISAL produces large quantities of saries Buttons, combs and bangles are also made from buffalo horns and are widely sold throughout Bengal The chief centres of the horn work industry are BARISAL, BHOLA, AMTALI, PATUAKHALI and GALACHIPA.

The chief centres of weaving are GABKHAN, KIRTIPASHA, UZIRPUR, JHALAKATI, NYIAMATI, SIDDAKATI, NALCHITI, BANORIPARA, BAISARI and MADHABPASHA Cotton weaving is also carried on at BHOLA MULIAND, DHANDOBA, PATIHAR and CHANDSI in Gournadi police station The Kapalis of Backerganj weave gunny bags from jute and the most important centre is GOURNADI at which there are about 25 villages Coconut oil is manufactured at BHOLA, AMANI and NALCHITI and there are oil mills at JHALAKATI, NALCHITI and at BHOLA

BARISAL (population 35,716) the chief station of the district, is a great rice mart while PIROJPUR (population 10,959) is the second town of the district Masuri pulse of this place is famous

Big fairs attended by thousands of people are held at KALISURI, KALASKATI and LAKSHMANA near Backerganj, where cattle, goats, buffaloes and various agricultural products are exhibited and sold

The chief trade marts are JHALAKATI (population 6,496), NALCHITI (population 1,946), BHOLA (population 5,558), PATUAKHALI (population 6,434), DAULATKHAN and SAHEBGUNJ Transport of goods is carried on in boats as well as by steamers and railways

BANKURA DISTRICT

The district has an area of 2,621 sq miles and is peopled by 1,111,711 of which 556,809 are miles and 554,902 females

Area under crops in 1932-33 Rice 669,000 acres, wheat 6,500 acres, barley 2,500 acres, maize 1,300 acres, gram 1,800 acres, sesame 7,000 acres, pulses 21,000 acres, rape and mustard 6,000 acres total oil seeds 8,000 acres; sugar cane 3,000 acres, fruits and vegetables 14,000 acres, total 762,000 acres

Industrial products of Bankura are many and include silk cloths for which it is famous, bell metal wares are also made here; shellac, embroidered silk saries, silk and tassar cloths, gold and silver ornaments, shell and lac bangles, iron implements and cutleries are also manufactured There are several oil mills and rice mills which consume the products of this district as also the imports from the United Provinces and Bihar and Orissa

MANUFACTURE SOAP ? READ "MANUFACTURE OF SOAP." INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Brass and bell metal wares are made at BANKURA, BISHNUPUR and PATRASAYER (chief seat) The district is famous for large water vessels and for cutlery which are made at SHAHASPUR in Bishnupur sub-division The largest centre of the weaving of khamru or mulbery silk is BISHNUPUR, there being a good demand for vel silk from East Bengal Silk weaving is also practised at BIRSINGHPUR, BANKURA, etc Mixed cloth of tassar is woven at Bankura Coarse cotton cloth and cheap woollen blankets are also woven there Bankura is also famous for its chaddars SONAMUKHI is famous for silk and silk cloths, tassar and matka chaddars Shell ornaments are made specially at BISHNUPUR

Important centres of trade are BANKURA (population 31,703), BISHNUPUR (population 19,696), and SONAMUKHI (population 10 989)

BIRBHOOM DISTRICT

The district covers an area of 1,756 sq miles and has a population of 947,532 of which 472,682 are males and 474,850 females

The surrounding country is very fertile and chiefly produces rice, other crops being also common on the sandy soils Area under crops during 1932-33 Rice 571,000 acres, wheat 4,100 acres gram 6 900 acres, linseed 1,000 acres, rape and mustard 2 300 acres, sugar 8,800 acres, fruits and vegetables 12,000 acres, total 615,000 acres

The climate of the place is not good Malaria is common during the rainy and autumn seasons The Viswa Bharati University established by the great poet Dr Rabindranath Tagore is situated not far off from the place (about 3 miles) at ŞANTINIKETAN There is also an agricultural farm at SURUL

The cottage industries are brass and bell metal work (at DUBRAJPUR and NALHATI), cutlery, silk and mulberry weaving Silk filatures exist and weaving is practised at BOSWA, BISHNUPUR, MARGRAM, PANCHGACHIA, BALIA, PALSA and at other places in the RAMPURHAT sub division Tassar weaving of KALIPUR KARIDHA is important Coarse cotton cloth is woven at ALUNDA and the Sadar sub-division is well known for its table cloths, bed sheets and screen cloths Shell ornaments are made at KARIDHA Lac work and lacquered toys of ILLAMBAZAR are well known boots and shoes are made in Tantipara and Surul

There are four or five rice mills in BOLEPUR which consume the products of the surrounding country Rahri rice is exported in large quantities, which are brought to the town by carts There is a bi-weekly hat where vegetables and other products are sold Gur from date palms is also another article of trade during winter, and this is also largely exported Imports by rail include kerosene oil, salt, sugar, grains, seeds, pulses, jaggery, molasses, tobacco, ghee, khari salt atta, maida, hardware and cloths

TANTIPARA (Sadar sub division) and also BOLEPUR are important centres of trade Other trade centres in the district are SAINTHIA—paddy and oil-seeds are largely grown and an oil mill works near the station, at DURBAJPUR imports consist of tobacco, molasses, jaggery, grains, seeds, oil cake, salt, and kerosene oil and there are also several oil and rice mills, at RAMPURHAT (population 9,969) a large trade in rice and paddy, besides molasses, kerosene oil and other articles exists SURI (population 10,908) is the head quarter station of the district, the local trade consisting of rice, grains, and pulses, atta, kerosene oil, and the jungle products The morabba of SURI is famous

Other minor trade centres of the district are BELIADANGA, LABPUR, AHMADPUR, NALHATI, KIRNAHAR, etc, where rice is

MANUFACTURE SOAP ? READ "MANUFACTURE OF SOAP."
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

the chief article of export and piecegoods, salt, oils, potatoes and gur, the chief imports The KENDULI mela, where Joyedeva was born, is held during January every year, many people from all districts gathering there to honour the memory of the great poet

BOGRA DISTRICT.

The district covers an area of 1,498 sq miles and has a population of 1,086,332 of which 577,158 are males and 529,174 females

Area under crops during 1932 33 rice 491,000 acres, wheat 1,100 acres, grain and pulses 31,000 acres, rape and mustard 30,000 acres, sesame 2,500 acres, total oilseed 35,000 acres, sugar ane 6,000 acres, jute 62,000 acres, condiments and spices 2000 acres, fruits and vegetable 8,000 acres, tobacco 1,500 acres, total 655,000 acres

BOGRA (population 14,819) the head quarter town, is situated at a distance of about 220 miles from Calcutta by rail (E B Rly)

Cotton and silk weaving form the only cottage industry of the district It is carried on in several villages within the Sadar, Gabtali, Shibganj and Adamdighi police station The important centres are SONALI, DASHTIKA, BAMNIGRAM, LAKHMIKOLE, MOHONPUR and SANTIGAON There are several factories which manufacture tassar and garad cloths of very good quality

Raw silk is imported from Rajshahi and Murshidabad The manufactured goods are sold locally Among other industries may be mentioned gur, mats, clay pots, cabinetware, hand fan, etc, etc

Grains, peas, pulses, onions, garlic, tobacco, sugar, molasses, etc are imported from Patna, Gaya, Cawnpore, Allahabad, Chapra and other marts and are readily sold here Jute is sent chiefly to Serajganj, rice to Assam and also to Tirhoot Hides and bones are available and are sent down to Calcutta by rail

The chief articles of trade are mustard seed, rice, sona mung, arhar, mosuri etc The grains are not of good quality

Goods from the interior are brought by carts, and during the rains, by boats External trade is carried on generally by rail

BURDWAN DISTRICT.

The district (2,697 sq miles) has a population of 1,575,696

Area under crops during 1932 33 Rice 649,000 acres, pulses 13,000 acres, wheat 1,100 acres, barley 1,200 acres, maize 1,600 acres, other fibres 1,800 acres, gram 2,500 acres, linseed 3,700 acres, rape and mustard 8,000 acres, total oilseeds 12,000 acres, sugarcane 7,000 acres, jute 2,000 acres, fruits and vegetables 10,000 acres, total 106,000 acres

Bengal Iron Co, have their factory at KULTI (population 11,574) while the Indian Iron and Steel Co, is situated at HIRAPUR now called BURNPUR (population 5,740), about 3 miles off Asansol SAMDI has a big iron works

The cottage industries of the district are brass and bell-metal works of BONPAS, DAINHAT, PURBASTHALI, KALNA and MATIARI where large vessels and cooking utensils are made KANCHANNAGAR is famous for its cutlery, the pottery industry thrives in the villages on the banks of the Bhagirathi, the clay of which is highly suitable; the belluti clay found near KALNA is used for glazing BONPAS is famous for gold, silver and gilt ornaments, gun metal and brass plates There is a factory at BANSA for preparing tannin from myrobalan

Cotton is woven in the RANEEGANJ side of the district and also in the KALNA sub division Silk weaving and mulberry rearing are carried on at MEMARI and RADHAKANTAPUR where about Rs 50,000 worth of garad saries are woven Tassar weaving is also done and is one of the chief industries of this district, specially round MANKAR.

THICK TYPE INSERTIONS IN THESE PAGES ARE PROFIT MAKING—SURELY.

BURDWAN (population 39,613), the district head quarters, stands on the main line of E I Ry and is a little north of the Damodar It is a great trading centre in the district There are several rice and oil mills in the town, consuming the products of this district as also some of the imports from U P and the surrounding districts and Bihar

There are many arathdars who are big merchants and dispose of imports from outside the district and province

Rice, paddy, kalai, molasses, tobacco, piecegoods, grains and oil seeds are available here Kerosene oil, salt and iron manufactures are largely imported Rice and paddy, however, are the chief articles of trade

RANEEGANJ (population 16,373) situated on the river Damodar, is 121 miles from Calcutta and is connected by the East Indian Railway It is only a sub-division of the district of Burdwan, but its name has spread all through India owing to its vast coal field Among the raw produces that are dealt in at this place, coal, paddy and sal props are worth mentioning Coal trade of the place plays a very important part in the total coal trade of India The raisings of coal in the coal fields of Raneeganj are estimated at 6 2 million tons which is about ⅓ of the total output of India The major portion of the production of coal is exported to Calcutta by the railways The coal of Raneeganj along with other raw produces such as paddy and sal props is exported to Calcutta and distributed to the commercial centres of the neighbouring districts It is a big market place for agricultural products such as rice, paddy and seeds

Among the manufactured articles of Raneeganj mention may be made of coal tubs, tiles, fire bricks and paper Coal tubs are mainly manufactured by the Raneeganj Motor and Engineering Works and paper is manufactured by the Bengal Paper Mills Ltd Apart from these, many home industries have been started by the local people, such as pottery, soap and candy sugar Raneeganj being the centre of coal trade in Bengal has a very good demand for coal tubs, and monthly production stands at 200 to 250 There are several oil mills and rice mills, consuming local products In its vicinity are the famous pottery works of Burn & Co, the products being in demand in and outside Bengal The brass and bell metal ware are also famous Oil and oil-cakes are also imported here in large quantities

ASANSOL (population 31,286) is an important railway junction and one of the chief centres of coal industry It is a growing centre of trade There are about a dozen boot and shoe-making factories at Asansol employing about a dozen men and preparing high class boots and shoes of all shapes and sizes by hand without the help of machinery Their product finds a ready market on the spot

KALNA (population 9 567)—There are many rice mills in this town the articles of trade consist of gram, wheat, jute, peas, kalai, masuri, khesari, mung, linseed, barley and mustard seed Business is brisk from Falgun to Baisakh, when goods are brought from the interior by carts and pack bullocks

KATWA (population 7,772)—There are two or three rice mills here Grains and seeds are obtainable Goods are sent and brought either by rail or by boats The articles of trade are rice, paddy, grains and seeds, gur, tobacco, jaggery, salt, brass and bell-metal ware, etc

The hats of BALAGARH and SOMRA are important marts

The district is very malarious and other fevers are also common

CHITTAGONG DISTRICT.

The district covers an area of 2,566 sq miles and has a population of 1,796,183 of which 873,459 are males and 923,724 are females

THICK TYPE INSERTIONS IN THESE PAGES ARE PROFIT MAKING—SURELY.

The district is situated on the eastern bank of the Bay of Bengal and is full of hills covered with jungles. The chief produce of the district includes rice, tobacco, chilli, betel-leaf, sugarcane, sunn hemp, etc., etc.

Area under crops in 1932-33: Rice 636,000 acres; rape and mustard 2,000 acres; condiments and spices 7,000 acres; sugarcane 12,000 acres; fibres other than cotton and jute 2,000 acres; tea 5,000 acres; tobacco 2,600 acres; fruits and vegetables 6,000 acres; sugar bearing palms 3,500 acres; total 692,000 acres.

The district of Chittagong contains three ports: viz., CHITTAGONG (population 53,156), COX'S BAZAR (population 5,018) and NILLA COX'S BAZAR is only a port for carrying on coasting trade with customs ports and for no other purpose while NILLA is merely a port for the shipment of rice, on account of which duty is paid at Chittagong. The sea-borne trade of the district is thus confined to Chittagong.

The value of the total coasting trade of Cox's Bazar and Nilla was estimated during 1932-33 at Rs. 2 lakhs and Rs. 54,000 as against Rs. 1½ lakhs and Rs. 26,000, respectively, during 1931-32.

The Port of Chittagong, with a population of 36,000 is situated on the Karnafuli river The port has now been declared as a major port and is an exporting centre for tea and jute.

Foreign Trade of Chittagong.

The following figures give an approximate idea of the considerable foreign trade carried on at the port of Chittagong:—

	1930-31	1931-32	1932-33	1933-34	1934-35
Imports.			(in lakhs of rupees).		
Chemicals	2 90	2 08	2 63	3 38	1 88
Hardware	3 26	2 13	1 74	1 37	2 22
Instruments	1 21	1 44	1 11	1 36	1 36
Machinery	27 08	20 28	20 15	19 91	25 60
Metals & Ores	45 05	24 17	15 47	14 87	18 75
Salt	11 13	4 92	9 25	5 48	5 59
Tea Chests	10 37	9 16	9 31	9 96	9 76
Cotton Goods	4 54	3 21	1 00	0 86	1 23
Bldg & Other materials	3 54	2 59	1 91	2 08	2 49
Other Articles	24 81	12 03	9 89	11 85	14 51
Total	1,34 79	82 01	72 46	70 12	83 11
Exports.					
Paraffin wax	33 77	49 19	24 26	15 23	8 19
Cotton Raw	10 65	10 81	8 95	11 42	9 75
Tea	4,75 29	4,84 94	3,11 10	4,23 88	4,60 35
Jute Raw	39 13	76 59	36 11	70 37	71 64
Other Articles	1 09	0 40	0 33	2 36	2 33
Total	5 96 93	6 21 93	3 80 75	5 23 26	542 51

The chief article in the trade with foreign ports is tea which is exported to the United Kingdom. The second article of importance in the foreign trade is jute, exported to Europe and America. In recent years the exports of Assam tea direct from Chittagong have grown considerably as it is the nearest and most convenient port to the Province. The next item of importance in the foreign trade is the exports of rice and paddy to Ceylon, Mauritius, etc.

Exports of tea increased in volume from 74 million lbs. in 1933-34 to nearly 77 million lbs in 1934-35 and the value increased from Rs. 424 lakhs to Rs. 461 lakhs. Coastwise exports were valued at Rs. 2 lakhs.

MANUFACTURE TOBACCO, SNUFF, SURTI, ZARDA, etc., Read "Indian Tobacco & Its Preparations" Re. 1-8. Industry Book Dept. Cal.

The chief item among foreign imports are machinery, iron and steel materials, piecegoods, corrugated iron imported from Liverpool Cotton piecegoods are also imported from outside India though the greater portion is now-a days drawn from Calcutta

The high receipts during 1934-35 were largely due to a rush of rice traffic which was caused by unusual circumstances, and is unlikely to be repeated, the receipts were also swelled by the special levy of a 12½ per cent surcharge on port and river dues which the Commissioners feel it their duty to remove as soon as circumstances render it possible for them to do so It is satisfactory to note that the value of machinery imported has been on the increase adducing proof of the progress of industrialisation The importations of machinery advanced from Rs 19,90,529 in the previous year to Rs 25,60 052 Larger importations of oil engines oil field machinery and tea garden machinery were mainly responsible for increased trade under this head The rise in imports under metals was mainly due to improvement in the trade in iron and steel materials Exports of jute paraffin wax etc, recorded a decline but this was counterbalanced by the increase in exports of tea to the United Kingdom

Coasting Trade of Chittagong.

The coasting trade consists of trade with Indian ports outside Bengal and trade with ports within Bengal, viz, Calcutta Narayanganj and Nilla Naturally the coastal trade was affected by the opening of the Assam Bengal Railway

The most important item of coasting trade is kerosene oil, imported from Burma, and exports of rice and paddy to Cochin and other ports of Southern India are made largely Among other exports may be mentioned provisions consisting mainly of eggs which are shipped in large quantities to Rangoon, metals salt and spices, such as betelnuts and chillies which are sent to the same place, and among imports, wood from Rangoon and rice from Burma

The total value of Chittagong's coasting trade during 1934 35 was Rs 430 lakhs as compared with Rs 289 1 lakhs in 1933 34 and Rs 195 9 lakhs in 1932 33

Industries and Handicrafts.

Various handicrafts are carried on in Chittagong and the fisheries are a means of livelihood to a large section of the population, and constitutes one of its most valuable industries There are also small pearl fisheries at Cox's Bazar under Government control Boats of different sizes are constructed in Chittagong Ship-building is an ancient industry of the district and there are carpenters expert at ship-building at GOASHAIL DANGA (Police Station Double Moorings)

Cotton weaving is carried on to a considerable extent The chief centres are SATBARIA GASBERIA, DOLGHAT, PATIYA, KATAKHALI, NOAPARA MADARSHA FATFYABAD HATHAZARI, MAHMUDBAZAR, DHEMSHA SATKANIA MIRSHARAI, TETAIYA, JANARDANPUR, RAMANTALA, MAHAJANHAT RANGUNIA, COX'S BAZAR, RAMU CHAKARIA, CHANDRAGHONA and RANGAMATI The fine fabrics are woven entirely from imported yarns, while the coarser varieties are produced generally by the Jogis, Jolas and the Bhadralog class from hand spun yarn for the weft and mill varns in the warp Centres of silk weaving are at COX'S BAZAR, RAMU, Technaf, Mahishkhali, Chakaria and Rangamati Silk lungis are made on a large scale Among the minor industries may be mentioned jute pressing, brazier's work, iron smithy, carpentry, jute and hemp cords making, fishing net making, etc Al cotton mill is under construction here Salt is manufactured Cottage industries include bamboo

MANUFACTURE TOBACCO, SNUFF, SURTI, ZARDA, etc, Read "Indian Tobacco & Its Preparations" Re. 1-8 Industry Book Dept. Cal.

ware, mats, sola garlands, copperware, hand paper making, satifood, clay cooking vessels, etc.

Tanning materials available in the forests leave room for starting tanneries. Raw materials for paper pulp, such as Ekra grass, bamboos and nalis, etc., are also available in large quantities here and the possibilities of establishing a paper mill here are very favourable. Bamboo handles for umbrellas are available here.

DACCA DISTRICT.

The area covered by the district is 2,777 sq. miles, the population being 3,432,577 of which 1,743,517 are males and 1,689,060 females.

Dacca is essentially a water-logged district as it forms the focus of 3 great river systems of India. The Meghna, the Dhaleswari, the Lakhya all pass through this district Heavy floods are common and the climate is not very good. Average annual rainfall amounts to about 73" and tornadoes are not rare.

The climate, the soil and the river system are all favourable to agriculture The chief crops are rice, jute (most important jute growing district in Bengal), pulses, mustard and other oil seeds, til, betel leaves, plantains (those of MUNSHIGANJ are famous) and sugarcane. Cultivation is being gradually extended to the Madhupur jungle situated on the border of the district. Dacca Town is the seat of a University.

Area under crops in 1932-33: Rice 1,061,100 acres; barley 13,000 acres; wheat 8,400 acres; other food grains and pulses 73,000 acres; gram 3,700 acres; sesamum 25,000 acres; rape and mustard 80,000 acres; linseed 4,400 acres; condiments and spices 19,000 acres; sugarcane 22,300 acres; jute 223,000 acres; tobacco 10,000 acres; fruits and vegetables 109,000 acres; total 1,709,000 acres.

Weaving of muslin, cotton weaving, spinning and bleaching, embroidery, etc, of this place are famous from remote times. Kasida and jhappan cloths are abundantly made and exported to the central Asian countries. DACCA shell bangles are famous as also the works of gold and silver. Boat-building is carried on at DACCA (population 138,518) and NARAYANGANJ is a great centre of jute trade and industry.

The cottage industries consist of brass, copper and shell work. Steel boxes and trunks are made and Dacca is famous for house-boats made by local mistries (carpenters). Dacca was once famous for fine muslins. DACCA, TARABO, SIDDRIGANJ, NAWAPARA, KACHPUR, ABDULLAPUR, DHAMRAI are centres of hand-loom industries. Kasida cloth is made at SHANORA, BILLISWAR, MATIMAL, DAGAR, etc. Cap embroidery of local Mussalmans is famous. Dacca is the principal centre for making cloth bangles and buttons. Cotton bleaching of Dacca is famous. Country washing soaps are made at NARUNDEA; AMLI-GOLA and NABABGANJ are famous for horn carving. In Dacca town there are many potters and the manufacture of mother-of-pearl buttons is an important cottage industry of the district. The chief place of business is at NANGALBAND and the principal villages where shell buttons are manufactured are situated within a short distance from each other in the Narayanganj sub-division.

The central pearl and shell market is at DEMRA and the shells are either bought direct from the fishermen or from merchants in DEMRA, DACCA CITY, NANGALBAND and NARAYANGANJ. Buttons from horn are manufactured at CHOUDHURIBAZAR, AMLI-GOLA and NAWABGANJ of Dacca City. The buttons though well made are not in very great demand.

There are factories at Narayanganj and at Dacca Town, engaged in the match industry and there is a colony of braziers in the town of

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Dacca and coppersmiths at THATARIBAZAR who make bell-metal ware for domestic use In the interior of the district the industry is carried on at BRAHMANGAON, DHANKUNIA, LOHAJANG, FIRINGIBAZAR, ABDULLAPUR, SHOLAGHUR and DHAMRAI

Toilet soaps and washing soaps are manufactured at IMAMGANJ, NARINDA and BABURBAZAR in the city of Dacca

Boat building is a lucrative occupation in the district and boat-makers are to be found in almost every village About 8,000 people are engaged in the pottery industry and potters are to be found all over the district

The export and import trade of the district pass through NARAYANGANJ The chief imports are piece-goods, salt, kerosene oil, wines, shoes umbrellas from Calcutta lime and coal from Assam timber from Chittagong and Assam, rice is imported in large quantities from Backerganj The chief exports are jute (about 4 lakhs of tons of which 2/5 comes from Mymensingh, 3 from Tipperah, 1/5 from Dacca), hides, pulses, betel leaves, oil seeds, pottery There are many large marts besides Narayanganj and Dacca, some of these are JAGIRHAT, BAIDYABAZAR, NARSINGDI, MANSURHAT, LOHAJANG Kartik Baruni Mela at MUNSHIGANJ is a commercial gathering and is important Religious assemblies are held at DHAMRAI, NANGALBAND near Sonargaon and at LOHAJANG

NARAYANGANJ (population 34,189) is practically the port of Dacca The town is the centre of jute trade in Eastern Bengal and is a great commercial entrepot It imports lime, honey and oranges from Sylhet, timber from Rangpur, tobacco from Purneah district cotton comes here from Comilla Chittagong and Hill Tipperah hides and skins come from Mymensingh, kerosene oil teak wood ivory, black pepper oil cakes etc, come from the interior villages these things being also brought from Bihar Rice comes from Backerganj and articles of foreign manufacture come from Calcutta direct, country-made sugar is brought from Bihar and Jessore Goods are carried by rail and steamers and sometimes by boat

DARJEELING DISTRICT

The area of the district is 1,274 sq miles and the population 319,979 The district is divided into three parts agriculturally, viz the mountains west of the Tista river, the Terai and Kalimpong All these contain tea gardens and there are good lands available for cultivation The mountain slopes are terraced for rice cultivation Cinchona is also cultivated here while the staple industry is tea making The forest products include tun and sal Chiretta, madder and aconite are also collected by people The mineral products are coal, iron, copper, etc, which are but very little worked

Area under crops in 1932-33 Rice 64,000 acres, wheat 3,400 acres, maize 49,000 acres oilseeds 2000 acres jute 2000 acres, tea 60000 acres cinchona 2,600 acres, total 102000 acres

Coarse woollen stockings and comforters are woven by women and are sold in village markets Coarse satranchis are also made Saris, chaddars and alwans are made at Siliguri Coarse cotton cloth is woven, there are breweries at SONADA Manufacture of blankets kukris bamboo baskets and wooden pots is carried on in this district on cottage industry lines Demand for these articles is local

The chief exports to Calcutta are tea, jute and gunny bags and the imports are piecegoods, kerosene oil and salt Rice comes from Dinajpur and coal and coke from Burdwan

Imports from Nepal are food grains, piece-goods, manufactured wool, hides, sheep, goats, cattle and poultry and exports to that place

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are European goods, cotton twist, salt, kerosene oil, tobacco and food grains The same is the nature of trade with Sikkim Bhutan trade passes through Jalpaiguri district

DARJEELING (population 19,903) The scenery of Darjeeling is magnificent with a vast series of mountains in front, all of which are usually covered with snow The gorgeous scenery of these hills is visible only during the months of May and the early part of winter The mountain slopes are densely covered with magnificent forest The climate of Darjeeling is of a varied character The temperature varies from 35° to 60° and the rainfall is generally heavy and averages about 125" annually It is the summer seat of the Bengal Government

KALIMPONG (population 8,776) is an important centre of wool and carpet weaving and lac making Other important towns are KURSEONG (population 7,451) and SILIGURI (population 6,667)

D H Rly serves the district and there are good metalled roads.

DINAJPUR DISTRICT.

The area comprised in the district is 3,946 sq miles with a population of 1,755,019 of which 923,801 are males and 831,218 females

Area under crops in 1932 33 Rice 791,000 acres, wheat 2,300 acres, grains and pulses 9,000 acres, rape and mustard 44,000 acres, sugarcane 37 200 acres, jute 43,000 acres tobacco 13,000 acres, fruits and vegetables 852,000 acres, total 1,114,800 acres

DINAJPUR is the head-quarter town of the district which is situated on the metre-gauge line of the E B Ry The place exports large quantities of rice and paddy to foreign countries through Calcutta and also to various other parts of Bengal

There are several establishment for weaving jute mattresses as a home industry Silk endi is manufactured on a small scale in villages KHALAKHALI, RUHIA and BARSHALUPARA in Thakurgaon Sub-Division from endi yarn available there The raw endi is available in a very small quantity

Cotton weaving is also carried on in many places of the district, but the main centres of the industry are DEBIRBAZAR, JAUNIA, SHABAZPUR, CHIRIRBANDAR, RANISANKAIL, KHANSHAMA, KESARBARI, RANIRBANDAR, CHURAMON and BHOROTE The manufactures include cloth, phota, lungi chaddar and gamcha Mosquito curtain cloth is manufactured at ITAHAR LAHIRIHAT, BOCHAGANJ, GORIA, KHANSAMA, RAIGANJ, DHANKOL, and PATIRAJ are centres of trade

Good chira is available here Mats are woven here with a variety of sticks of a certain kind of grass Fine specimens of pottery are also made in this district Gur is made at Birganj, Pirganj There is one sugar mill

Tanning is an important industry, tanned hides being sent to Calcutta Cartwheels are made from timber brought from Siliguri and Duars Axes, iron cart bands, ploughs and iron utensils are made at PATNITOLA, KOTAHALI, Parsa and Raiganj Two famous melas are held—one at NEKNOW and the other at ALAHWARA, where various sorts of live-stock are sold and agricultural implements are also brought for sale

FARIDPUR DISTRICT.

The district comprises an area of 2,347 sq miles and is peopled by 2,362,215 of whom 1,206,348 are males and 1,155,867 females The number of earners has been calculated at 315,000 among cultivating owners, 30,000 among tenant cultivators and 51,000 amongst agricultural labourers

"Sketches of Indian Industries" discusses industrial situations and industrial ideals. Parts I & II Re 1 each. Industry Book Dept., Cal.

Area under crops in 1932-33: Rice 1,083,000 acres; wheat 2,700 acres; barley 11,000 acres; grains and pulses 82,000 acres; linseed 6,000 acres; sesamum 8,000 acres; rape and mustard, 24,000 acres: condiments and spices 25,000 acres: sugarcane 8,900 acres; jute 133,000 acres; tobacco 4,000 acres; sugar bearing palms 2,400 acres; fruits and vegetables 49,000 acres; total 1,444,000 acres.

Of the net cropped area, about one third bears two or more crops, the area bearing only one crop, viz, rice, being the marshy lands on the South-west. Cultivation of sugarcanes tobacco and groundnut is making headway.

The chief centres of trade in the district are GOALUNDO, FARIDPUR (population 15,516), PANGSA, BELGACHI, RAJBARI (population 7,104) and PATURIA. GOALUNDO is the chief market in this district and is situated on the junction of the Padma and the Jamuna, about 110 miles away from Calcutta. It is the terminus of the railway on this line. It is a mart through which enormous trade passes. MADARIPUR is a centre of jute trade.

The chief articles of trade are fishes (hilsa of this place is famous), water-melon (also famous), jute, wheat, grams, linseed, mustard seed, peas, masuri, khesari, chilli, kalai, date, jaggery, turmeric, sunamung, chintz, napkin, etc., which are largely obtainable here and are exported to other places.

Bell metal and copper utensils are not manufactured at all in this district. Brass utensils are however made from imported brass sheets at and near PALONG, the chief centre being NARA, BILASKHAN, DASARATA, KATALBARI and BAGHIA. Boat-loads of clay toys and earthenwares are taken to Backerganj during the paddy harvesting season and bartered for paddy.

Sitalpati mats of fine quality are also made from motra grass. Checks, chintzes and better class dhuties and saries are made at RAJBARI. The weaver of DEORA produce excellent cloths, especially saries, which are sold in large quantities at the nearest markets. Iron implements are made all over the district. Gur is made at PANGSA and RAJBARI.

HOOGHLY DISTRICT.

The Hooghly district (4,232 sq. miles) runs along the western bank of the river Hooghly. The E. I. R. line runs through it. The population is 1,112,255.

Area under crops in 1932-33: Rice 230,000 acres; grains and pulses 5,000 acres; jute 17,000 acres; oilseeds 2,000 acres; sugar-bearing palms 17,400 acres; sugarcane 3,900 acres; tobacco 3,000 acres: fruits and vegetables 9,000 acres; total 293,000 acres.

Cottage industries of this district comprise carpentary at CHANDERNAGORE, for Calcutta markets; brass and bell metal work at BALLY, ARAMBAGH Sub-division, BANSBERIA and KAMARPARA, silk weaving and mulberry rearing at several centres in the ARAMBAGH sub-division and at BALLIDEWANGANJ. Urans and pagrees are made and exported to U. P. and the Punjab.

Tassar-weaving is practised in cottages at HARIPAL, KAIKALA, RAJBALHAT and BEGUMPUR; SERAMPORE and FARASDANGA are important centres of cotton weaving. Paper making is practised (hand made) at MOHUAD, GOSSAINMALPARA, NEALA, BALLIDEWANGANJ by "Kagazis" (Mahomedans). Brick manufacture in the SERAMPORE sub-division is worth mentioning.

The chief market places in the district are:—

BHADRESWAR (population 22,992)—It stands on the Hooghly. There are several jute mills here.

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CHINSURAH (population 32,534)—Now forms a part of the Hooghly town and is an important centre of trade.

MAGRA—The chief articles of trade here are rice and paddy, potatoes, oil-cakes, jute, kalai, etc. A good sand business with Calcutta is carried on, as also business in castor-cakes which are stocked in Ashar and sold away in Bhadra when the potato season sets in.

TARAKESWAR—Many pilgrims from different parts of Bengal, Bihar and U. P. assemble throughout the year to worship God Shiva and make purchases, and the mela during Shivaratri in March is famous. The surrounding country produces rich crops of rice, potatoes, jute, jaggery, etc., which are exported by rail. It is a good market for mustard cake, castor cake, mustard oil, salt, piece-goods and kerosene oil.

SERAMPORE (population 39,056)—There are several cotton weaving and spinning mills, where dhuties and saries are manufactured and are extensively used all over Bengal. The most important of them are the Bengal Luxmi Cotton Mills, Rampooria Cotton Mills and Bangeswari Cotton Mills. A few other cotton mills are also under construction. There are paper works in the locality. Business also centres round betel-leaf. A big fair is held at MAHESH near Serampore during Rathajatra.

SHEORAFULLY (Baidyabati) has a very flourishing hat, held twice a week on Saturdays and Tuesdays.

BAIDYABATI (population 18,486)—It is one of the biggest marts in Bengal Potatoes in large quantities are sold here wholesale. Bananas, pumpkins and other vegetables also come to the hat in huge quantities. Vegetables, jute, sunn or hemp, onions, castor cake, paddy, rice, gur, molasses are the articles of trade Plantains of this place are sent to different parts of Northern India; this hat is the chief source of vegetalbe supply for Calcutta; and castor cakes are sold here in considerable quantities.

CHANDERNAGORE (Luxmiganj)—French Settlement. Here the articles of trade are rice, paddy, potato, molasses, jute and onions; cotton cloths are also manufactured locally which are much appreciated for nicety and durability and are known throughout Bengal as Farasdanga dhuties and saries. This place is also noted for the manufacture of unpolished chairs which are sent down to Calcutta daily. Business in plantain and coconut goes on extensively throughout the year.

Other industrial and commercial towns are: BANSBERIA (population 14,221), RISHRA-KONNAGAR (population 26,363), CHAMPDANI (population 25,363), UTTARPARA (population 9,350) and KOTRUNG (population 7,160).

HOWRAH DISTRICT.

The district (530 sq. miles) is inhabited by 1,099,379 souls.

Area under crops in 1932-33: Rice 109,000 acres; grains and pulses 6,000 areas; oilseeds 500 acres; sugarcane 3,900 acres; jute 4,000 acres: fruits and vegetables 6,000 acres; total 131,000 acres.

Cotton weaving in this district with Serampur pattern of looms is practised. The chief centres of weaving are ANDUL and ULUBERIA. ANDUL is famous for dhotis of fine quality. Paper making by "Kagazis" is practised to a small extent at MAIMAN. The tape and newar weaving industry is confined to a few villages of the district.

HOWRAH (population 224,873) the headquarter town, is situated on the opposite side of Calcutta and is connected by a pontoon bridge with it. It is the important terminus of the two great Railways traversing Northern, Southern and Central India. The E. I. RLY. carries the agricultural products of Bihar and the United Provinces, the richest

Manufacture Pickles & Chutneys at Home, Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept., Calcutta.

agricultural provinces of India and also serves the coal districts of Bengal and Bihar The B N Rly penetrates into the interior of C P and carries merchandise of foreign trade for that province Another important branch of the Railway runs as far as Waltair and serves Orissa and a part of the Madras Presidency

The goods sheds of the Howrah station are extensive and have a place set apart to serve as a grain market of Calcutta nay of the whole of Northern India Here in this market can be found brokers who are busy transacting business in grains that have been consigned to them in wagons from towns in U P, Bihar and the Punjab

The chief articles of trade consist of mustard seed, wheat, linseed, gram peas, castor seed, poppy seed etc which are sold in the market All grains and seeds except rice and paddy are sent to Howrah Station, and rice and paddy are consigned to RAMKRISHTOPUR and marketed there Communication with this place is also easy, goods being brought by rail steamers and country boats The mills of Calcutta and Howrah make their purchases here

There are several jute mills and engineering workshops and flour mills on the banks of the Ganges and these mills engage a large number of men Besides there is a big workshop of the E I Rly at LILOOAH, not very far off from Howrah

HOWRAH HAT is famous place of trade and is situated on the western side of the Railway Station and is reached through the overbridge The hat sits every Tuesday Ready-made coats and shirts, etc, are sold in abundance here Hand loom dhoties and saris are available in large quantities It is here that business in molasses is extensively carried on, and people from Calcutta and all parts of Bengal, assemble to make their purchases

SALKEA—It is one of the most important industrial towns in the district and being in the neighbourhood of Calcutta it is growing in importance There are a number of cotton mills and jute presses in the town A number of engineering workshops exist, while aluminium wares ropes etc are made on a large scale It is a centre of raw cotton trade

ULUBERIA—The sub divisional town is more a commercial than an agricultural centre The place is famous for coconuts which are available there in abundance The local earthen pots are very good in quality and are sent to Calcutta The pitchers, handies etc, are sold in the Calcutta market and have a good name Hogla grass from which mats are made are available here and are exported in large quantities

SANTRAGACHI—There is a railway workshop of the Bengal Nagpur Railway at this place There is a glass factory here The place is famous for "ol" commonly known as Elephant's foot

BALLY (population 30,347)—It is an industrial town there being jute mills along the Ganges nearby

JALPAIGURI DISTRICT.

The district (2884 sq miles) has a population of 983,170

The produce of the district includes paddy, cabbage, potato, tobacco and betelnut Area under jute gradually increases Tobacco of the district is gaining in importance Tea and timber grow abundantly Many tea estates under Indian management are doing well

Area under crops in 1932-33 Rice 551 000 acres maize 2,500 acres, grains and pulses 12,000 acres, rape and mustard 37,000 acres condiments and spices 1,300 acres sugarcane 5 100 acres jute 25 000 acres tea 132,000 acres, tobacco 21,000 acres fruits and vegetables 20 000 acres total 809,000 acres

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The pottery industry is extensively resorted to in many villages of this district on account of naturally occurring good clay and the vessels made there stand fire well and last long. PATHAL cooking vessels, SANKRAIL jars, CHANDIPUR toys and masks, brackets, models of fruits and pots made at DOMJUR and ULUBERIA are well known. Roofing tiles of better quality are produced in JHAPARDAH, PRASSTHA and MOWRI in DOMJUR Thana. Gur and molasses are made near PACHAGARH and RAJGANJ.

The most important cottage industry is cotton weaving which is carried on mostly at PAHARPUR, TITALYA KRISTNAGAR, MEERGHAR, BALLIRPARA and JHOLIA. Gunny cloth and coarse silk endi are woven throughout this district. Tea is the chief industry of the district.

The district has a fair trade with Bhutan in piece-goods and silk, which are exported; timber and oranges are also imported from Bhutan. Fairs are held at FALKATA and ALIPUR. Rice is imported from Dinajpur; other imports are piece-goods, machinery, corrugated iron, tea garden markets, and fair is held at JAPDES, other centres of trade being JALPAIGURI, TITALYA, RAJNAGAR, SALDAYA, DEBIGANJ, BARUA, JORPOKRI, MYNAGURI, ALIPUR, BUXA. The district is well served by roads and railways.

JESSORE DISTRICT.

The district of Jessore with an area of 2,909 sq. miles and a population of 1671,251 forms the central portion of the Hooghly and the Meghna estuary. Clumps of bamboos, groves of areca and other fruit trees are common in the jungles of Jessore. The mean temperature of 74°, varying from 54° in January to 79° in June. The annual rainfall averages 60".

The soil is fertile and rice is the staple crop, and sugarcane, tobacco and other cold season crops are also grown. The date palms are used for the manufacture of gur and eventually sugar. Indigo is now almost extinct.

Area under crops in 1932-33: Rice 727,000 acres; gram 5,200 acres; grains and pulses 42,000 acres; linseed 9,000 acres; rape and mustard 17,000 acres; date palm 17,000 acres; jute 44,000 acres; tobacco 4,000 acres; fruits and vegetables 3,000 acres; total 8,87,000 acres.

Cotton cloth is woven. KOTCHANDPUR, JESSORE, MADHYAKUL, KESHABPUR and RAJARHAT are the main centres. Mats and baskets are made. Date-palm sugar and gur industry are of local importance and the output is estimated at about 25,000 maunds. Combs of buffalo horns are also made.

The chief cottage industries of this district include mat making which is well organised. There are colonies of garesies (blanket weavers) from Arrah who weave blankets of coarse quality. Date sugar and gur are made on a large scale, specially at KOTCHANDPUR. Other places worthy of notice are TAHIRPORE or TARPORE, CHAUGACHE, JHIKARGACHA, KESHABPUR, KALIGANJ, FAL TOLA, and FAKIRHAT.

Imports into the district are rice and sundri wood from Backerganj and the Sunderbans. Cotton piecegoods, cotton twist, salt, kerosene oil, flour and potatoes come from Calcutta; and coal comes from Burdwan. The exports are paddy, pulses, jute, linseed, tamarind, coconut, unrefined sugar, oilcake, hides, earthen jars, cart wheels, bamboos, bones, betelnuts, timber, ghee, fish, etc. to Backerganj and Calcutta. Most of the traffic is carried by boats and rail (J. J. Rly.) except in Jhenidah where it is carried by carts. KOTCHANDPUR (population 6,115) is the largest trade market in the district. MAHESPUR (population 3,321) is

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the next town of some importance to trade NALDANGA, CHAUGACHA, MAGURA, KESHABPUR, JHENIDAH, CHANDKHALI, KHAJURA are the other trade centres

JESSORE (population 11,356) is the seat of manufacture of the celebrated combs.

E B Rly and J J Rly are the railways traversing the district The road from Calcutta to Jessore is important and the rivers are all navigable to some extent

KHULNA DISTRICT.

The district of Khulna (4,730 sq miles) has a population of 1,626,098 Average annual rainfall is about 67"

The district occupies the central portion of the Meghna delta The country appears from villages as a vast plain covered with rice, reed and rush The southern portion, however, known as the Sunderban tract is a region of morasses' and swampy islands and is covered with dense evergreen forests and is flooded with salt water during tidal periods Crocodiles, lizards, fishes and game birds abound in the jungles and rivers

The soil of the district is either sandy loam which is suitable for fruit trees, betel leaf plantations, pulses and oil seeds, or clayey, suitable for rice cultivation The principal crops grown are rice, sugarcane, cereals and pulses, jute, til, gram, linseed, rape, mustard seed and tobacco There are orchards and garden lands

Area under crops in 1932-33 Rice 855,000 acres, cereals and pulses 9,000 acres, rape and mustard 10 000 acres, coconut 10,500 acres, condiments and spices 6,500 acres, date palm, etc 3,500 acres, jute 21,000 acres, fruits and vegetables 15,000 acres, total 935,000 acres

Considerable quantity of fish is sent to Calcutta Firewood, shells, honey, bees wax, golpata, canes, reeds are the forest products exported besides sundri timber Rice, betelnuts, coconut molasses, sugar and coarse matting are principal exports from the district

The chief cottage industry of this district is cutlery It is scattered all over the thanas KALIGANJ and SHAMNAGORE and daos, scissors, nut crackers, sacrificial knives, etc, are the chief products A large quantity of fine and coarse cotton cloths are manufactured in this district The chief centres of weaving are PHULTALA, BARDAL, MORRELGANJ, ELAIPUR BAGERHAT, MANGURIA and DUMRIA Of them BAGERHAT has recently been famed for coatings, shirtings, woollen wrappers, etc

The earthen pots and jars of KALIGANJ and black earthen jars (used for storing oils and grains) are exported in large quantities from the MAGURA sub-division

Molasses and sugar of different varieties, are made in GAZIRHAT, CHUKNAGORE, and PATKELGHATA

The principal imports into the district are cotton twist, cotton piece-goods, hardware, glass-ware, sugar, shoes, kerosene oil, coal, coke, lime and tobacco

The chief trade centres are KHULNA (population 19,120), DAULATPUR, FULTALA, ALAIPUR, KAPILMUNI, CHAKNAGAR, CHALNA, KUTARHAT, etc, in the Khulna sub-division, MANSA, BAGERHAT, FAKIRHAT, MORRELGANJ, etc, in the Bagerhat subdivision, SATKHIRA (population 11,241), NAWABANKI, DEBHATTA, CHANDURIA, TALA, BASANTPUR in the Satkhira sub-division Trade is carried on in permanent markets and hats

Goods are transported by the E B Rly, while in the north steamers and cargo boats carry goods Internal trade is generally carried on by cargo-boats along numerous rivers, creeks and channels

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MALDAH DISTRICT.

The MALDAH district has an area of 1,809 sq miles and a population of 1,053,764.

Area under crops in 1932-33 Rice 484,000 acres, wheat 49,000 acres, barley 18,000 acres, maize 13,000 acres, gram 11,000 acres, grains and pulses 40,000 acres, oilseeds 19,000 acres (linseed 500 acres and rape and mustard 12,000 acres), condiments and spices 1,300 acres, jute 18,000 acres, tobacco 5,000 acres, fruits and vegetables 2,600 acres, total 700,000 acres

There are many khals, jhils and rivulets in the district and the district produces rich rice crop The district possesses magnificent mango groves and gardens, the fruits of which are considered best in Bengal both in size and in quality The centre of the mango trade of the district is the headquarter station of MALDAH and mangoes are carried to Calcutta and other places by steamers and by rail

Silk reeling is the most important industry of the district and is conducted on both a small and a large scale The dried cocoons are procured from hats and also from rearers direct Reeling is conducted entirely on country **ghais.** Only a small part of the total silk produced locally is consumed by the silk weavers of the district The silk is mostly disposed of by post to merchants of Berhampore (Ganjam), Trichinopoly, Salem, Triplicane, Masulipatam, Travancore, Secunderabad, Belgaum, Surat, Sujanagar (Gurudaspur), Mabarakpur (Azimgarh), Bijnour, Amritsar, Anantapur (M & S M Rly), North Arcot, Bangalore, Tanjore, Bhandara, Akyab, Kayts (Ceylon), Chittagong, Bankura, Benares and other places

Matka weaving industry is carried on in GOYESHPUR and JYOT (English bazar thana), NARATTAMPUR, MOHANBAG, SIONAGAR and DEWANJAGAR (Sibganj thana) Of the produce, a considerable portion is bought by local people and the mahajans dispose of a portion to other visiting wholesale dealers, and a large portion to know shopkeepers of English Bazar, Rajshahi and Calcutta

Pure silk weaving is carried on in 5 villages at close quarters in SIBGANJ thana Mahajans collect the goods and dispose of them to merchants of Rajshahi and Calcutta

Other industries of the district are —(1) Brass and Bell-Metal industry at ENGLISH BAZAR, KALIGRAM, KANSHARIPARA, (NAWABGANJ), SANKARBATI, CHAR JOT PRATAP, MAJPARA, BIL PARAND, AJAIPUR Articles manufactured from brass consist mainly of lotas, known as Saidullapur lotas, which are greatly in demand About 975 mds of finished goods (cups and spoons from bell-metal) are produced at SANKARBATI and the other villages, thalis (bell-metal) of different shapes and sizes are made at Kansharipara

(2) Cotton weaving at KHARBA, MANIHANDA and GOBINDAPUR in Kharba Thana, KALIACHUCK and HARINAGAR, LAHARPUR, RASULPUR, SATRAJITPUR and JAHANGIPUR in Shibganj Thana

(3) Katari weaving at SHAHAPUR, BALA, and NAGESWARPUR in English Bazar Thana Katari cloth is a fine coloured fabric made out of a combination of silk and cotton Red, yellow, deep blue silk yarns and black cotton yarns are used in weaving The goods are woven in thans of 8 yds in length and 27 inches in width All goods are nearly the same pattern though under different names according to the arrangement of the coloured warp Katari cloth has no local sale and is exported to foreign countries through Bombay merchants.

(4) Tanning and *shoe-making* industry at HYDERPUR village (English Bazar)

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AMINGANJHAT—It is a most important silk mart in Maldah and in the whole of Bengal and traders come here from neighbouring districts to make their purchases The chief articles of trade are mulberry silk, cocoon, wound and raw silk Business here is so brisk that the transactions sometimes rise up to Rs 1,00,000 in a single market day It is reached by carts

Other trade centres are English Bazar (population 16,907) and Nawabganj (population 15,826)

MIDNAPUR DISTRICT.

The district has an area of 5,145 sq miles and a population of 2,798,948

The district is on the whole very fertile and produces rich crops of paddy which is generally exported to Calcutta or to the Madras side

Area under crops in 1932 33 Rice 1,796,000 acres, grains and pulses 21,000 acres, gram 3,000 acres, cholam 4,000 acres, maize 3,000 acres, linseed 8,000 acres, rape and mustard 5,000 acres, total oil seeds 22,000 acres, sugarcane 5 100 acres, jute 5,000 acres, tobacco 3,000 acres, fruits and vegetables 13,000 acres, total 1,874,000 acres

The cottage industries comprise carpentry at GHATAL, brass and bell metal work at CHANDRAKONA, RAMJIBANPUR, KHARAR and GHATAL (highly organised) KHARAR is famous for thalis and gharas Mat making is carried on largely in the south of the district Mats are made from locally produced grass and the products are sold locally and exported to Calcutta and other places in the SABONG and PONSKURA THANAS (with about 1,000 workers) The industry is a flourishing one There are large exports of pottery works from the Ghatal sub-division Silk and mulberry weaving are carried on at GHATAL, NIMTALA, BIRSINGHA and DESHPUR About 25,000 lbs of silk is yearly made in the north of the district Tassar weaving and cotton weaving are carried on at GHATAL (important centre), RADHANAGAR and RAMJIBANPUR, coloured saries are woven at CHANDRAKONA and blankets are woven by a colony of garesies

The principal marts are KHARAGPUR (population 58,134) which is a big railway town, CHANDRAKONA (population 6,016) is famous for brass metal utensils, ghee (both cow and buffalo), butter, curdled milk and milk

Other places of commercial importance are CONTAI, TAMLUK (population 9,095) (on the Rupnarain) and RAMJIBANPUR (population 6,230)

MIDNAPUR (population 32,021)—It is the headquarters of the district

The chief imports into this town from the interior by carts and by rail are rice, sugar, lentil, cocoons, silk, cotton, betel, coarse cloth, napkins, mats, brass utensils, etc The imports from Calcutta consist of piece-goods, kerosene, oil, ghee, stationery and medicines, salt and iron manufactures Miscellaneous articles of trade are brought here from Calcutta and other places Goods are generally sent away by rail

MURSHIDABAD DISTRICT.

The district comprises an area of 2,144 sq miles and is inhabited by 1,369,610 people

Area under crops in 1932-33 Rice 594,000 acres, wheat 26,000 acres, barley 19,000 acres, gram 81,700 acres, grains and pulses 51,000 acres, linseed 24,000 acres, rape and mustard 19,000 acres condiments and spices 6,000 acres, jute 13,000 acres, fruits and vegetables 47,000 acres, fodder crops 11,000 acres, total 919,000 acres

Silk industry which was once a thriving industry of the district is in a decaying condition The Government of Bengal are now attempting

POPULAR HAND BOOKS, 4 As. EACH. WRITE TO INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

to receive it through the Sericultural Department. The Department of Sericulture has during the present year advanced Rs. 50 each to 60 cultivators and rearers of silk cocoons. They have opened centres at Purandarpur, Panchthupi, Puraparagupur, Panchgaon and at other places, and are now distributing healthy and disinfected silk worms at a nominal cost to the rearers of silk worms.

The Department is also trying to help the cultivators by giving them expert advice in the matter free of cost. For this purpose one demonstrator has been placed in charge of each centre. The Department will also re-open old silk kuthis for the purchase of silk cocoons.

BERHAMPUR (population 27,403)—It is the headquarter station of the Murshidabad district and stands on the Bhagirathi. The chief industry of the place is silk weaving. The BERHAMPORE merchants have business connection with Madras, Bombay and Calcutta firms and through them with foreign countries also. Sujni work is carried on here by the womenfolk during leisure time. These bed sheets are, however, rarely found in the markets for sale. There is also a cocoon breeding farm under the Horticultural Department with a weaving institute attached to it. Mangoes are plentiful during the summer season.

The chief cottage industries of this district are brass and bell-metal works of KHAGRA, BERHAMPUR, KANDI and JANGIPUR, of which the products of Khagra are famous. Small figures of gods are also moulded here. Nut-crackers, locks and nails are made at DHULIYAN and steel trunks, safes, etc., are made at JIAGANJ, BHAGAWANGOLA and at SIMULIA in BHARATPUR police-station.

Pottery of superior quality are made at KANTHALIA and BOLTULI in the Kandi sub-division and Gora Bazar. ISLAMPUR and Sadar sub-division are important centres of silk reeling and weaving. BALUCHAR and MIRZAPUR are famous for high class weavers. There are several filatures in this district. Mulberry silk weaving is practised at KHAGRA, BALUCHAR, MIRZAPUR, etc. Soap is made at Lalbagh.

Ivory-carving is carried on in this district. The best carvers of India are found in Murshidabad (population 9,483); KHAGRA and MATHRA are important centres. Coarse blankets are woven in JANGIPUR. The district (Jangipur and Sadar sub-division area) is an important centre of lac turnery. Paper making by hand is also practised at KRISTOPUR and SRIRAMPUR in the Jangipur sub-division.

JIAGANJ (population 12,796).—The chief market of the district is JIAGANJ where various articles of trade are obtained The grains and seeds of this place are known as Deshwal goods and are free from admixture; rice, paddy, jute, flax and hemp are obtainable and are exported from the place: other articles of trade include kalai and mung, grams, wheat, linseed, mustard seed, peas, masuri, red pepper, khesari, jaggery, sona-mung, silk cloth. Balaposh and steel trunks are the articles of trade of this place. Goods are carried by rails and boats and occasionally by steamers. It is connected with Berhampur by a good road and has a large cart and motor traffic. Many Marwaris have settled here, and there is a good garden in AZIMGANJ which is worth seeing.

Other important marts are: KANDI (population 12,616 with many workshops for bell-metal industry; PANCHTHUPI—two melas are held here during January and February, which are attended by many people; DHULIAN (population 9,767)—the chief articles of trade of this place are rice, paddy, gram, linseed, mustard seed, pulses, jaggery, sugar, clothes, coriander, potatoes, tobacco, turmeric, oil cake, lentil. Religious fairs are held at KANDI while those at KALITOLA in "Pous" and RUDRADEVA are famous.

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER, "HOME INDUSTRIES" EXPLAINS. AS. 8.

MYMENSINGH DISTRICT.

This is the most thickly populated district in Bengal, being peopled by 5,129,664 persons The area of the district is 6,332 sq miles The average annual rainfall amounts to about 86" The climate of the district is generally not good.

Area under crops in 1932-33 Rice 2,368,000 acres, barley 8,000 acres, cereals and pulses 90,000 acres, sesame 36,500 acres, rape and mustard 37,000 acres, condiments and spices 9,000 acres, sugarcane 25,000 acres, cotton 4,000 acres, jute 420,000 acres, other fibres 20,000 acres, tobacco 15,000 acres, fodder crops 65,000 acres, fruits and vegetables 70,000 acres, total 3,390,000 acres

The greater portion of the district is a highly cultivated plain, watered by big rivers and their off-shoots and feeders but the Modhupur jungle for the most part is waste Near the big rivers the soil is a sandy loam which is suitable for jute and spring crops Rice is the staple crop Roughly one-fourth of Bengal jute crop is raised in this district between BHAIRAB BAZAR and GAFFARGAON Other crops are oil seeds (rape and mustard), pulses, wheat, barley, sugar cane, betel-leaves and tobacco

Cotton weaving is practised on a large scale Cloth (endi) is woven at SANDHIKONA (NETROKONA) Fine sitalpati mats are woven Brass and bell metal wares are made at ISLAMPUR (Jamalpur), KAGMARI (Tangail) Cutlery of KARGON and BAJITPUR are famous Cane boxes, molasses and mustard oil are also produced TANGAIL saries are famous and are extensively sold throughout Bengal The so-called Dacca cheese is made at ITNA and biscuits and loaf making are done in KISHOREGANJ sub-division Pearl fishing is done on the Meghna and the local jewellers purchase the pearls, fix the price and export them to Calcutta Canework of CHAR ISWARDI is in great demand in the Mymensingh town Fine specimens of pottery are made KISHOREGANJ, BAJITPUR (in Kishoreganj sub division) produce embroidered and high class saris A fair quality of cloth is woven in Tangail which competes with finer qualities of Farasdanga, Santipur and Howrah Finer dhuties are made at PATHRAIL, KAGMARI and BAJITPUR Paper toys are made at BOWAKHOLA

Rope and string making is carried on in the district by a class of men called Kapalis who twist jute twine by hand and weave gunny cloth The importation of coconut coir ropes and strings from outside has displaced jute strings and ropes Hemp strings and ropes are largely manufactured at BHAIRAB and in the neighbouring char lands Dragging ropes (goon for boats) are made in the Meghna side and in places in Kishoreganj sub-division Bajitpur carpenters are famous for their work They make good engraving, high quality chairs, kurani, bed-steads, etc, and various fancy articles of wood, e g, spectacle cases, clock brackets, teapoys, etc They also manufacture hooka tubes, There are match factories using local woods

Trade is carried on by rail and river and also by carts and pack-ponies The chief export is jute (to Calcutta) being baled at Serajganj and Narayanganj, other exports are pulses, rice, oil seeds, hides, raw cotton, cheese, ghee, dried fish and brass-ware The chief imports are salt, kerosene oil, piece-goods, cotton twist, molasses, sugar, corrugated iron, coal and coke from Calcutta Tobacco comes from Rangpur, cotton, chillies and betelnut from Tipperah.

Important centres of trade are MYMENSINGH (population 30 480), SHERPUR (population 19,547), JAMALPUR (23,077), TANGAIL, (16,082), NETROKONA (population 10,980), KISHOREGANJ (population 15,437), BAJITPUR (11,650).

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The other trade centres are SUBARNAKHALI (on the Jamuna and connected with Jamalpur and Nasirabad), BHAIRABBAZAR (on the Meghna), DUTT'S BAZAR, KIDIADI, KARIMGANJ, KISHOREGANJ and NILGANJ The E B Rly traverses the district

NADIA DISTRICT.

The district (3,404 sq miles) has a population of 1,532,418.

The district of Nadia takes its name from Nabadwip, though the administrative headquarters have since been transferred to Krishnagar The district consists largely of alluvial plain It extends from the head of the Ganges delta and embraces numerous rivers through which surplus water of the Ganges passes The condition of these rivers, however, is not good

The district is not very healthy and malaria is prevalent during the latter part of the rainy season

The soil is universally light sandy but not fertile owing to absence of the natural fertilisers—red flood-water The principal crops are rice, jute, gram, peas, masuri, wheat, barley, chillies and turmeric, (forming rural industries) Orchards and market gardens occupy about 100,000 acres and produce good mangoes and potatoes which are consumed by Calcutta

Area under crops in 1932-33 Rice 656,000 acres, wheat 12,000 acres, gram 31,000 acres, grains and pulses 26,000 acres, linseed 29,000 acres; rape and mustard 9,000 acres, condiments and spices 1,700 acres, sugarcane 8,000 acres, sugar-bearing palms 3,200 acres, jute 25,000 acres; fodder crops 7,000 acres, tobacco 3,000 acres, fruits and vegetables, 6,000 acres, total 913,200 acres

Jute and other surplus crops are generally exported from the district and are carried by railway and also by boats and steamers Other exports are gram and pulses, sugar and unrefined sugar, linseed and Indian cotton goods Rice and paddy are imported, coal comes from Burdwan and Manbhum, salt, kerosene oil and piece-goods are brought from Calcutta Iron goods (enamelled) are also imported from Calcutta

The chief industries of the district are cotton weaving, pottery, basket-making, brass, copper and bell-metal work, gur making, etc SANTIPUR is famous for fine saries and dhuties KUSHTIA is also of growing importance and has a cotton mill It is also famous for chaddar and metal utensils The pottery industry is carried on, on a large scale, in RANAGHAT, MEHERPUR KRISHNAGAR, SANTIPUR, etc The earthenware models of KRISHNAGAR, RANAGHAT and SANTIPUR have a reputation of their town They find a market even in European countries MEHERPUR is an industrial centre for cloth, gur, hides, etc Tin box making is now progressing at KRISHNAGAR Blankets are made at GOARI, MAJDIA MAHESHGANJ, SHIKARPUR and also at KRISHNAGAR, MEHERPUR, and SWARUPGANJ, and the products are disposed of both locally and abroad

Important trading centres are KRISHNAGAR (population 24,284), NABADWIP (population 18 861), SWARUPGANJ, RANAGHAT (population 11,395), HAT-BOALIA, CHUADANGA, KUSHTIA (population 9,405), KUMARKHALI and KHOKSA The numerous fairs and religious festivals, at NABADWIP (Feb and Nov), at SANTIPUR (in Nov), at KULIA (in Jan) and at GHOSPARA (in March), are regarded as important trading centres.

The external trade is carried on by the E B Rly and by steamers and country boats Internal trade is carried on by carts and country boats There are good roads maintained by the District Board Trade is mainly done with Calcutta

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

NOAKHALI DISTRICT.

The Noakhali district (1,591 sq miles) contains a tract of mainland together with a large number of islands (Sandwip and Hatia) in the mouth of the Meghna The climate of the district is on the whole moderate and humidity is very high The average rainfall is heavy, reaching about 120" The population is 1,706,652

The soil is a rich alluvial loam which is inundated, and receives silt from the Meghna (the Ganges and the Brahmaputra estuary) About 25 per cent of the lands yields two crops annually and cultivation is gradually extending in the newly formed island Buffaloes, sheep and cattle are plentiful and find abundant pasturage

Area under crops in 1932 33 Rice 996,000 acres, cereals and pulses 37,000 acres, linseed 6,000 acres, total oil-seeds 10,000 acres, condiments and spices 23,000 acres, jute 32,000 acres, fruits and vegetables 84 000 acres, total 1,194,000 acres

The chief centres of cotton weaving are FENI, CHHAGALNAIYA, PARASURAM, BEGUMGANJ, FATEHPUR, LAKHIPUR and CHANDRAGANJ Coarse and fine yarns locally spun are available in the markets of FENI, CHHAGALNAIYA, PARASURAM and SONAGAZI and are exported outside the district Check, chintzes, dhuties are woven, mosquito-nets are made at CHAUMUHANI and MOYNAMATI, the latter place being famous for its jamsaries and loongies Sitalpatis, chiknis and chatais are made at MATABI, FAZIPUR, PARASURAM and CHHAGALNAIYA both for export and local use Kapalis spin jute for gunny bags, etc and CHOUMUHANI makes jute ropes and meets local demand Other industries are cutlery, scissors, knives, etc, at DATTAPARA (with horn handles)

The SWARUPUR and GOPALPUR carpenters are known for their workmanship and SANDWIP carpenters fashion elaborately carved bedsteads favoured by better class villagers A kind of oil called Punnal Oil, is extracted from Punnal fruit growing in the island of SANDWIP The chief centres for it are SANDWIP, MADARHAT, MAITBHANGA, BHUAIRHAT, and CHOWDHURI'S HAT The oil, which was formerly used for burning, is now utilised for making soaps It is exported to Dacca, Chittagong and Hatiya Island The oil-cakes are used for fuel and also for making tikkas for smoking The yield of coconut in this district is fairly large Coir making industry has great possibilities, particularly in Sandwip and Hatiya, abounding in coconuts There are two soap factories in South Hatiya and one at village AMANULLA in Sandwip, manufacturing washing soaps from coconut and Punnal oil Sufficient quantities of hide are available in the chars Rugs made of Cawnpore and local wool combined appear to be really good while ordinary blankets and prayer seats made of pure local wool have already won a reputation

Important centres of trade are Noakhali (population 13,063) and Feni (population 10,875)

The chief exports are rice, betelnuts, coconuts, linseed, chillies, onions, hides and eggs and small quantities of ghee The principal imports are piece goods, salt, kerosene oil mustard oil, tobacco sugar, gur cotton varn, brass and bell-metal ware, hill bamboos chinaware and betel leaves Noakhali is one of the largest rice producing districts and about a quarter of a million tons is exported every year from this district The eastern portion is traversed by the A B Rly There are important ferries and river connections

PABNA DISTRICT.

The district (1,818 sq miles) has a population of 14,445,479 The climate of the district is very equable and the annual rainfall averages 61"

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

The soil of the district is annually enriched by silt brought down by the two rivers, the Padma and the Brahmaputra and is therefore extremely fertile for all classes of crops The major portion of the cultivated lands yields two crops a year

Area under crops in 1932-33 Rice 698,000 acres, wheat 9,000 acres; barley 4,000 acres, grani 3,000 acres, grains and pulses 124,000 acres, linseed 11,000 acres, sesamum 26,000 acres, rape and mustard 73,000 acres, condiments and spices 5,800 acres, jute 57,000 acres, fibres other than jute and cotton 28,000 acres, date palm 1,000 acres, tobacco 5,000 acres, fruits and vegetables 12,000 acres, total 1069,000 acres

One-third of the total area under cultivation is cropped more than once Plots near the homesteads are grown with vegetables and melons The char lands give rich crops The more sandy soils are best adopted for china and millet and doash for jute, sunn hemp and paddy Even the unculturable waste in the chars yield profitable sources of income in the jhao jungle, which is sold for fuel and grass which is in great demand for feeding cattle during the rainy season The stiff soil yields besides paddy variety of crops including sugarcane, turmeric, pan and patal

Cotton weaving is the most important of all cottage industries in this district, being carried on more or less throughout the district The probable number of hand-looms will be 10,000 of which the number of fly-shuttle looms, will be about 3,000 Roughly stated, yarn both grey and coloured to the value of Rs 50 lakhs is consumed yearly in the district for the manufacture of cotton fabric The yarn, which is mostly English and sometimes Japanese, is procured from Calcutta and sometimes from Kushtia (Nadia) Cotton fabrics to the value of approximately Rs 80 lakhs are annually produced in this district and great centres of trade for locally made cloths are EKADANTA, MATHURA, SUJANAGAR, DEMRA, AJUGACHA, DELMARHAT, SHAHJADPUR, KOIJURI, etc, etc

Several kinds of cotton cloth are woven at CHOTADHUL and DOGACHI, which compare favourably with the best kinds DOGACHI, GANGARAMPUR, SADULLAPUR, TARABERIA, NISCHINTAPUR are noted for saris, dhutis and good loongies Gamchas of Pabna are widely in demand Fine grass and reed mats are exported Pottery, brass and bell metal articles, and shell bracelets are made at CHATMOHAR There are some jute presses at BERA

The chief industries of the district also comprise mat making and cane work in MAIJPARA Sitalpati mats are also woven here as also in the Serajganj sub-division Dyeing is carried on locally for borders of saries and dhuties in this district In the CHATMOHAR THANA, shell bracelets are made Paper made locally is used in the Serajganj sub-division but the industry is declining There are several factories at PABNA (population 21,904) where stockings, genzies, etc are manufactured of which Silpa Sanjibani deserves special mention

SERAJGANJ (population 32,467)—It is situated on the Jamuna (a river by the junction of the Brahmaputra and the Padma) The surrounding country produces enormous quantities of jute which are brought here by carts or by steamers and are baled and pressed and then sent down to Calcutta It is therefore a great centre of jute trade and jute baling industry and has several warehouses Other articles of trade are kalai, peas, masuri, gram, wheat, mustard seed, mas kalai, etc. Goods are transported by train, by steamers and also by country boats The surrounding country is of plain level surface and is fertile Health of the town is fair

The chief exports are jute, pulses, mustard The imports are piece-goods, salt and kerosene oil, rice and tobacco

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER. "Independent Careers for the Young" explains. Re. 1-8.

Important trade centres are PABNA, SERAJGANJ, BERA, ULLAPARA, DHAPARI and PANGASI Goods are carried chiefly by country boats or steamers by the Sunderbans or from Kushtia or via Goalundo by E B Rly, which touches at Sara and goes up to Serajganj There are only 34 miles of metalled roads and 691 miles of unmetalled roads in the district

RAJSHAHI DISTRICT.

The district comprises an area of 2,234 sq miles and is peopled by 1,430,229 persons The climate is not good and the average annual rainfall is about 58"

Winter rice is grown in the Barind but in the grey sandy soil of the Gangetic plain a variety of crops are grown The chief crops are rice, wheat, various pulses, oil seeds, barley, oats, tobacco, sugarcane and maize, jute is also cultivated Betel leaf and mulberry are also grown

Area under crops in 1932-33 Rice 918,000 acres, wheat 10,000 acres, gram 13,000 acres, cereals and pulses 85,000 acres, linseed 10,000 acres, sesamum 9 000 acres, rape and mustard 42 000 acres, condiments and spices 7,000 acres, sugarcane 9 000 acres, jute 55 000 acres, other fibres 2 500 acres, tobacco 3,600 acres, fruits and vegetables 34 000 acres, total 1,212,000 acres

Brass and bell-metal wares are made at KALAM in the Natore sub-division, while brass, bell metal and bharan utensils are made at BUDHPARA Bell metal thalis (plates) and cups, bharan tumblers, and brass pitchers big pots (handis) and pans, etc of different shapes and sizes are made The total yearly output of brass and bell-metal wares in this district is nearly 3,330 mds valued at about Rs 3,50,000 to Rs 4,00,000

Matka chaddars, thans of 10 yds in length, and dhutis and saris with red silk borders are made from yarns from Malda Blankets are made in KESHABPUR-VERIPARA (village) from sheep's wool imported from Bhagalpur, Calcutta and other places Woollen blankets are also manufactured on a small scale at Rajshahi town from the country sheep wool

Cotton weaving is carried on in many of the small villages Tanning and shoemaking is done at SHIPAIPARA (Sadar Sub-division) and LALPUR (Natore sub-division) Other industries of the district include the making of steel trunks, suitcases, boxes, etc from raw materials imported from Calcutta, cane and bamboo work, tile making and making of earthenware pots, plates, etc and gur making which is done all over the district

The exports are jute, rice, pulses, silk, ganja, etc (from Naogaon) Principal marts are SULTANGANJ, GODAGARI, RAMPUR-BOALIA and CHARGHAT on the Padma, CHANGDUPAIL and GURUDASPUR on the Baral, KALIGANJ on Chalan Bil, PROSADPUR on the Atrai NAOGAON on the Jamuna DUBALHATI NATORE etc LAKSHMANHATI is a centre where sugar crushing mills and pans are given on hire The chief imports are piece-goods, salt, sugar, and kerosene oil

RAJSHAHI (population 27 064)—It is the headquarters of the district NATORE (population 8,318) is reached by the E B Rly The surrounding country is fertile and produces paddy, tobacco, betel, wheat, barley, maize, sugarcane, mustard seed, etc, which are brought from the interior by pack bulls and carts and are sent away by rail NAOGAON is famous for ganja cultivation which is sold under Government license

Other places of interest are DUBALHATI, PUTHIA, RAMPUR BOALIA (on the Padma) which carry on a large amount of trade by

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER. "Independent Careers for the Young" explains. Re. 1-8.

steamer with Calcutta and up-country stations in jute, grains, seeds, rice, tobacco, etc SANTAHAR, DIGHAPATIA, etc are important trade centres, Two famous melas are held here, one at KHETUR in October and the other at MONDOR in the month of April which are largely attended, and many articles of trade are sold, including live stock and agricultural implements

The E B Rly serves the eastern part of the district The traffic is rail, river and road borne The roads of this district are good

RANGPUR DISTRICT

The district covers an area of 3,286 sq miles, and is inhabited by 2,595,287 persons The rivers are the Brahamaputra, with the Tista, the Dharia, the Sankos, etc The trees of the district are shishu, mango, areca palm, jack, bamboo, plantain, bakul, nageswar, etc The climate is not good Average annual rainfall amounts to about 84" The district is liable to inundation

The soil of the district (sandy loam deposited by river floods) is remarkably fertile The pricipal crops are rice, jute, rape, mustard and tobacco One tenth of Bengal jute is produced in Rangpur Tobacco thrives best on the sandy bank of the Tista river and has a good reputation in the outside markets There is a tobacco experimental farm at BURIRHAT Oilseeds and potatoes are grown generally on the chars of the Brahmaputra

Area under crops in 1932 33 Rice 1,023,000 acres, grains & pulses 74,000 acres, rape and mustard 76,000 acres, condiments and spices 3,000 acres, sugarcane 25,000 acres, jute 190,000 acres, tobacco 175,000 acres, fruits and vegetables 25,000 acres, total 1,618,000 acres

The chief industry of the district includes brass and bell-metal work at GOMNATI in the Nilphamari sub-division Durries and gunny (made of jute and cotton) are also woven near DIMLA Ivory carving is practised at PANGA in Lalmonirhat Satrancha weaving industry is carried on at NESBATGANJ which comprises of four villages, e g Parbatipur Pirjabad, Damodarpur and Barabari

The cigar making industry is in its infancy here The products are far from satisfactory Expert shoemakers from Arrah district come and live with their families in Rangpur town and turn out about 20 pair of shoes a day, i e about 7,000 pair per year from leather got from Calcutta They use both vegetable and chrome tanned leathers for uppers and Jullundhar buffalo for soles

There are jute presses at DOMAR and SAIDPUR (a railway centre) Endi cloth is woven in small quantities at KARIPUR, SUNDARGANJ and BELKA in Gaibandha sub division and cotton cloth, also on a very limited scale, is made at PATILAPUR and KHAMARKISHORPUR (Kurigram) and DIMLA in Nilphamari sub-division

The chief exports carried entirely by rail are jute, tobacco, mustard, unrefined sugar and rice, and the imports are piece goods, salt, kerosene oil, coal and rice The centres of jute trade are DOMAR, DARWANI, SAIDPUR and RANGPUR town Tobacco is sent to Burma by the Arakanese Rice comes from the neighbouring districts, coal is brought from Burdwan

FULBARI—It is served by the E B Rly The surrounding country produces enormous quantities of paddy, rice and jute, other articles of trade include khesari, masur, kalai, mustard seed, gram, barley, arahar

DOMAR—It is the centre of tobacco cultivation in the Rangpur district Merchants from Calcutta and also from the different parts of U P come here to purchase these things and make good profits by manipulation of weights of their purchases

Make Depilatories? "PROSPECTIVE INDUSTRIES" Explains the Process. INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

Traffic is borne by the steamers on the Barhmaputra and by E B. Rly There are good metalled roads

Important centres of trade are RANGPUR (population 20,749), SAIDPUR (population 16,519), KURIGRAM (population 8,452) and GAIBANDHA (population 8,479)

TIPPERAH DISTRICT

The district (2,624 sq miles) has a population of 1,600,764

The district is flat and being served by a net-work of rivers it is very fertile The chief produce is paddy and jute Mustard, linseed, betelnuts, betel leaves, chillies are grown Bell metal utensils, basket, canework and sital pati are made

Area under crops in 1932-33 Rice 1 113,000 acres grains and pulses 60,000 acres, sesamum 7,000 acres, rape and mustard 22,000 acres, condiments and spices 4,000 acres, jute 157,000 acres, tobacco 3,300 acres, total 1,397,000 acres

COMILLA is famous for its checks and chintzes for making shirts and coats and weavers of BRAHMANBERIA and BITGHAR make good patterns The chief centres of cotton weaving are TANTIPARA, MAIJPARA and BURDAIR (in Brahmanberia) and DHANTI, PIHAR, DISHABAND, BAGMARA, BUDHAR, JASHPARA, MAINAMATI, GUNJAR, KALIKAPUR, GUNABATI and JORKARAN (in Sadar Sub division)

The chief centres of the jute weaving industry are RAMMOHAN (Sadar), HOMNABAD, SHIBNAGAR, RAJMANGALPUR, MIRPUR, DHARAMNAGAR, SHIBPUR and the neighbouring villages The hooka making industry existing from time immemorial is confined to Mohamedans The shells are obtained from Dacca, Backerganj and Noakhali, without any husk They are disposed of generally at Dacca, Sylhet, Brahmanberia and Assam Nalchias are made in Comilla and its suburbs from wood obtained in Hill Tipperah forests The chief markets for these articles are Dacca, Mymensingh, Jalpaiguri, Brahmanberia and Assam The chief centres for articles of bamboo, cane and sola are KALIKAPUR and BURICHANG The bamboo is obtained from Hill Tipperah and the finished products are exported through middlemen to Dacca, Narayanganj, Calcutta, Chittagong and other important places

The chief centres for brass articles are BRAHMANBERIA, RAM CHANDRAPUR, MAIJPARA, BETGARH, MOGRA, BADURGARH and PANDBAN-KHANBAZAR and brassware such as kalsis, ghatis, degchis, etc are made out of imported rolled sheets and exported to the neighbouring districts The chief centres for tanning and leather goods are COMILLA, CHANDPUR, CHANDINA and BRAHMANBERIA, and hides, to a small extent, are exported to Dacca and Calcutta, but there is no organised tannery in the district The pottery industry which is done on a small scale and the process of manufacture kept a secret has its centres at HARIPUR, BUDHANTI and BRAHMANBERIA At BRAHMANBERIA there is also a tile factory

Dry-fish is an important industry of the district A kind of fish oil is also made from livers of fish The oil is used for lighting earthen lamps The Sadar and Brahmanberia sub divisions are centres for iron and steel articles, high class cutlery and ramdaos, khargas, fish-knives, spades, etc are manufactured by blacksmiths of MEDDA and RAM CHANDRAPUR and by blacksmith of Sadar and Brahmanberia subdivisions The "House of Labourers" (a power-driven factory workshop) at Comilla manufacture high class pruning knives (used in tea gardens) and other articles on a commercial scale It is growing into importance and undertakes steel construction work, buildings and

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bridges Iron safes, on a small scale, are made at PURAN BAZAR, CHANDIPUR, and buckets and trunks at MOGNITOOLI, MONHARPATTI and KANDIRPAR in Comilla On a small scale also, umbrella-making is carried on at BRAHMANBERIA and COMILLA with imported cloth and sticks, mostly supplied locally There is a hosiery factory at COMILLA manufacturing underwears, and another has been recently started at BRAHMANBERIA

CHANDPUR (population 16838) is a great mart in the district It is connected with important places in Bengal and Assam by rails and rivers The trade in jute and tea of this place is big

COMILLA (population 31,365)—It is the head quarter station of the Tipperah district and is situated at a distance of about 500 miles from Calcutta, and is reached by rail and steamers Imports into this town from the interior are betelnuts jute and rice of which, jute and betelnuts are largely exported to Calcutta by rail and steamers The industrial products of the town comprise fine well-polished hukka, belun, kharam, sticks, bell-metal utensils, etc, which are exported to different parts of Bengal and fetch good prices Goods are sent by rail, potatoes, tobacco, molasses, onions, masur dal, moong, kalai, ghee, etc are largely brought from the United Provinces and Bihar and are immediately sold The health of the place is generally good Cotton of Hill Tipperah and of this district is also available here

BRAHMANBERIA (population 26,662) is a trade mart

24-PARGANAS.

The district (2,536 sq miles) has a population of 2,714,878 The climate is moderate, the average rainfall for the district being about 64"

Area under crops in 1932 33 Rice 806400 acres, grains and pulses 28,000 acres, oil seeds 2,000 acres condiments and spices 3,100 acres; sugar cane 2500 acres, jute 42,000 acres, fruits and vegetables 19,000 acres, sugar bearing palms 1,800 acres Total 912,000 acres

The land being of alluvial sandy nature of recent formation the crops grown are abundant The chief crops are rice (about 90 % of available land), pulses, maize gram, linseed, sesamum, rape, spices, sugarcane jute tobacco fodder fruits and vegetables and others

The imports into the district correspond to those of Calcutta which lies at the centre of the district In general, cotton piecegoods, oils, salt, liquors, hardware, iron goods, jute, grains and pulses, live-stock, etc, are the imports through Calcutta Fancy goods of foreign manufacture are also widely sold The industrial areas consume liquor, ganja, etc to a remarkable degree The chief articles exported are rice jute, manufactured articles of jute, sugar, etc, etc

Important centres of trade are BUDGE-BUDGE (population 24183) BARANAGAR (population 37050) KAMARHATI (population 30,334) TITAGARH (population 49584), GARULIA (population 14,033), PANIHATI (population 11,699) NAIHATI (population 30,903); HALI SAHAR (population 16,770), BHATPARA (population 84,975); KANCHRAPARA (population 15,005), BASIRHAT (population 21,287); BARRACKPORE (population 30,600 and CANTT 10,982), and BADURIA (population 15,005)

There are numerous factories round about Calcutta, specially the jute factories on the banks of the Hooghly Famous jute factories are situated at BELGHARIA, AGARPARA, SODEPUR, ISHAPUR, KANKINARA, etc, which are now thickly populated Among other works, silk filature and mill, tanneries, bone mills, saw mills, tea chest factories may be mentioned, spinning and weaving, jute presses, rope and ply-wood factories, iron foundries, glass factories, brick, tile and

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fire brick factories, oil mills, soap and candle factories, lac and cutch factories, chemical and drug works, biscuit factories, rice mills, etc.

The chief centres of hand-loom weaving are PUNNA, BADURIA and BARASET. Mosquito curtains are woven at BARASET and napkin, checked cloth for mosquito curtains and quilts are made in EKBALPORE. The embroidery industry is carried on in BARASET and HALISAHAR. Ropes are made from sunn-hemp and jute at BHABANIPORE in Barrackpore and sold locally. TILJALA, near Calcutta, is the most important centre for tanning. Other centres are MOLLAHAT in Tollygunge, SHAHAPUR, DURGAPUR, GOPALPUR and TANGRA. Leather suit-cases and attache cases are made in NORTH DUM-DUM in Barrackpore. Matches, glass, gramophone records, aluminium wares, etc. are manufactured in SOUTH DUM-DUM and the articles are disposed of in Calcutta. The famous brass locks of NATAGORE have suffered from foreign competition. The industry also is dying out in SENLI UNION and NIMTA (Barrackpore). Padlocks are also made at DENLA, KHAMARPARA, BARANAGORE and DUTTAPUKUR (Baraset) and the products are sold locally and in Calcutta. Basket making, as a part time industry continues in NARAYANPUR and BALLY (Barrackpore) and the products have a local demand.

The district is well served by railways, good roads and boat, steamer and motor bus services.

Brass utensils are made in Diamond Harbour Subdivision and there is one ice factory at Hasanabad.

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MARKET PLACES OF THE BOMBAY PRESIDENCY.

THE Bombay Presidency includes a long and narrow strip along the West Coast of India containing the provinces of Konkan, Khandesh, Poona and Satara. The area of the Presidency including that of the Native States is nearly 151,953 square miles and is inhabited by 26,347,419 persons.

Soil and Climate:—The Presidency embraces a wide diversity of soil and climate, and is divided into two parts, namely Guzrat and the Deccan, by the Rann of Cutch and the Gulf of Cambay. Guzrat, aptly called "the Garden Land of India" stands first for richness of soil and density of population and is watered by many rivers, notably among them being the Narbada and the Tapti. The remaining portion of the province is divided into high and low level tracts by the ruggedness of the W. Ghats, which run parallel to the W. Coast for many hundreds of miles.

Crops and Produce:—The chief crops of the Presidency are wheat, cotton, gram, jowar, bajra, spices, sugar and even rice, for details of which the chapter on **Agricultural Resources of India** may be consulted. Rice covers 2·9 million acres, wheat 3·2 million acres, barley 38,000 acres, jowar 8·2 million acres, bajra 4·6 million acres, maize, 172,000 acres, gram 1,085,000 acres, groundnut 1,161,000 acres, sesamum 202,000 acres, rape and mustard 187,000 acres, linseed 122,000 acres, castor 66,000 acres, cotton 4,088,000 acres, sugarcane 71,000 acres, tobacco 144,000 acres, etc. Fish manure and pondrontee are the chief manures. The crops are generally raised by rotation.

Total area under crops during 1932-33 in the Presidency was 33,687,572 acres. The districts where the produces are most prolific are: Rice—Thana, Ratnagiri, Larkana, Kolaba, Karachi, Hyderabad; Wheat—Bijapur, Dharwar, Nasik, Ahmedabad, Ahmednagar; Cholam—Bijapur, Poona, Sholapur, Ahmednagar, Belgaum, Dharwar, Satara; Cambu—Nasik, Thar and Parkar, Ahmednagar, Bijapur, Poona; Ragi—Ratnagiri, Nasik, Kaira; Maize—Panch Mahals; Gram—Nasik, Panch Mahals, Satara, Poona, Upper Sind Frontier; Pulses—Nasik, Satara, Ahmednagar, Belgaum, Dharwar, East Khandesh; Linseed—Bijapur Ahmednagar; Sesamum—Ahmednagar, Ahmedabad; Rape and Mustard—Upper Sind Frontier; Groundnut—East Khandesh, Satara, Sholapur, West Khandesh; Coconuts—Ratnagiri, Kanara; Castor—West Khandesh, Condiments, Spices—Dharwar, Satara, Belgaum; Cotton—Dharwar, East Khandesh, West Khandesh, Broach, Belgaum, Ahmedabad; Dyes and Tannin Materials—Ahmednagar, Sholapur, Poona; Tobacco—Kaira, Belgaum, Satara; Fodder Crops—Satara, Sholapur; Fruits and Vegetables—Poona.

Cattle—Ponies of Bombay are hardy and celebrated. Cattle breeds of Gir, Kathiawar and Guzrat are noted and the breed is generally good. The sea-fisheries are famous and give employment to many. Fishes for food and manure are also obtainable in the rivers and tanks.

Forest Products:—The forests on the Ghats yield teak, sandalwood and other timbers Acacia, catechu, ebony, etc. grow in abundance while coconut palms, palmyras, betelnut palms, date palms occur plentifully.

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Various fruit trees, e g, mango, jack tree, ber, myrobalans, mahua, karani, etc are found in the province

Minerals:—Building stone and salt are the principal minerals. Porbandar and Dharangadhra contain best stone Gold and gold dust were formerly found in Dharwar Agates are found in the Deccan and Guzrat

Handicrafts:—Every district carries on hand-loom weaving in spite of competition from machine-made varieties Saries and turbans are the main varieties There are about 2 lakhs of weavers in Poona, Nasik, Dharwar, Belgaum and Sholapur districts Dyeing is carried on in Guzrat, Kathiawar and in the Maratha districts Silk is also woven in Surat, Ahmedabad, Yeola, Nasik and Thana districts Country blankets come from the Deccan and Karnatic Preparation and production of sunn hemp are carried on There are many goldsmiths Spearheads of Ahmedabad and knives of Amod are celebrated, glass making, lac industry, ivory and tortoise shell work are done at Bombay and in Guzrat Wood carving is done at Ahmedabad, Surat and Kanara Sugar and gur are made wherever cane is grown Real gold thread industry is carried on in Surat, Bombay, Ahmedabad, Poona and Yeola Salt is made at Khargoda and Udu and is known as Baragara salt Other important art-crafts of this Presidency are —carpet weaving, calico printing, embroidery, kinkhabs, pottery, jewellery, stone work, brass and copper, metal work, etc Artisans are spread all over the Presidency, the chief centres of work being BOMBAY, AHMEDABAD, SURAT, BROACH, POONA, NASIK, YEOLA, GOKAK, HYDERABAD, TATTA, HALA, BUBAK, KASHMORF, KHANOT, SHIKARPUR, SAWANTWADI, HONAVAR and KUMPTA

Major Industries:—Cotton industry is the principal industry of the Bombay Presidency It is an old-established industry, carried on mainly under Indian management with Indian capital The most important centre of production is Bombay city and Island The second centre of the industry is Ahmedabad The other centres include Sholapur, Surat, Broach and Jalgaon There are altogether 220 cotton mills in the Presidency fitted with 62 5 lakhs of spindles and 1 4 lakhs of looms Silk and wool are also manufactured in Bombay

There are match factories situated in the neighbourhood of SANTA CRUZ, GHODBUNDER, KURLA and THANA Cigarette manufacture has made considerable headway in the presidency Among other new types of factories may be mentioned refining and smelting of non-ferrous alloys, bakelite materials, electric fans, razor blades, slates, pins and needles, dry cells, fire works, brushes, shop, glass, chemicals, casein, pottery, handmade paper, paints, tallow substitute, carbon paper, clips, etc. There are a number of factories for tanning hides and skins

The number of factories working in the Bombay Presidency in 1934 was 1,678 compared with 1,610 in the previous year Of these, 873 were perennial and 805 were seasonal 230 of the perennial and 682 of the seasonal, i e 54 per cent of the total working factories, were connected with the cotton industry

No fewer than 24 new ginning and pressing factories were erected in Sind in 1934 in the areas irrigated by the Sukkur Barrage In Bombay city a number of small factories manufacturing articles hitherto imported have been started and it is possible that the loss to the city's industries caused by the reduction in the number of cotton mills will, to some extent, be made up by new industries The returns show a further decline in the number of textile mills in Bombay city and a slight increase in Ahmedabad

Labour Force:—The number of operatives employed in all industries based on annual returns was 375,833 in 1934 as compared with 356,827 in

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1933, an increase of 19,000 or 5 per cent more than in the previous year Sugar factories form the most striking instance of increase in the numbers of operatives employed From a total of 330 in 1932 and 601 in 1933 the figure has risen to 1,538 in 1934

The total number of women workers was 65,943 against 66,158 last year and children were 2,147 against 2,112 Women form 17 5 per cent and children 0 6 per cent of the total employees

The percentages for both women and children employed are the smallest since 1920 This may be due to the enforcement of the Maternity Benefit Act as well as to the fact that male labour can be got very cheaply Another factor that would affect the percentage of women employed to men is that, owing to the provision of the Factories Act women cannot be employed at night The number of mills working night shifts has materially increased

State Aid to Small Industries —The main provisions of the rules (called the Bombay State Aid to Small Industries Rules 1935) framed by the Government of Bombay for affording financial assistance to small industries are as follows —

All applications for loans must be made in writing to the Director of Industries stating the amount and purpose of the loan, the total estimated capital required for running the industrial concern and the time in which the loan will be repaid

The purposes for which loans may be granted include construction of buildings, wells, tanks, etc, purchase and erection of machinery and purchase of raw materials

The Director of Industries can sanction loans for amounts not exceeding Rs 2,000 For loans beyond that amount Government is the sanctioning authority No loans exceeding Rs 10,000 will be granted to anybody

Another condition of granting a loan will be that the borrower, shall pledge to Government any buildings that may be erected or any plant purchased from the loan money The borrower must also give collateral security

Loans will be disbursed in one or more instalments according to the actual requirements of the borrower and they will bear compound interest at the same rate of interest as "taccavi" loans granted under the Land Improvement Loans Act The period for repayment shall, in no case, exceed 10 years from the date of disbursement of the loan, which will be repaid by instalments fixed in the orders granting the loan All sums must be spent in accordance with the objects for which the loan is sanctioned

Working Class Budget.—According to the report on the second enquiry into the family budgets of the working classes in Bombay City conducted by the Labour Office between May 1932 and June 1933 it appears that in all 1,514 family budgets were collected out of which 1,469 were accepted for final tabulation

An analysis of the budget by religion and caste reveals that over 90 per cent of the workers are Hindus and about 5 per cent Mahomedans Among the Hindus, Marathas form the largest proportion of industrial workers Next in importance are the backward (Depressed) classes such as the Mahars, Chamars, Mochis, etc, who account for a little over 20 per cent Over 60 per cent of the industrial force in Bombay hails from the Konkan The Ratnagiri District in the Konkan supplies Bombay with half its industrial forces The next region in importance is the Deccan, which accounts for 29 per cent

Out of the 3 70 persons in the family, 1 53 are earnest and 2 17 dependants Of the 1 53 earners 1 19 are men and 0 34 are women The employment of children especially in factories, has practically

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disappeared in Bombay City Of the total number of families considered, 826 or 56 23 per cent contained one wage earner, 538 or 36 62 per cent two wage earners, 79 or 5 38 per cent three wage earners, 21 or 1 43 per cent four earners and five or 0 34 per cent five wage earners In 71 43 per cent of the natural families the only earner is the head of the family In 23 73 per cent of the case both the head of the family and his wife work In the remaining cases the earners are either sons or daughters while, very rarely the man has more than one wife whom he sends to work

Over 62 per cent of the families fall within the income groups Rs 30 to 60 The average monthly income of the family comes to slightly over Rs 50 An analysis of the monthly income shows that the income of 50-1-7, Rs 1 39 13-6 is the contribution of men, Rs 4 13-7 the contribution of women, Rs 0-0-2 of children and Rs 5-6-4 come from other sources Of the additional income over 90 per cent is from boarders and lodgers 74 74 per cent of the total number of families are indebted, the average indebtedness per indebted family being about Rs 175 and the average for all families being about Rs 130

Trade:—The articles of internal trade are cotton, grain, metals and cotton goods The Distribution of articles of trade is generally made through fairs held in connection with pilgrimages and in temporary and weekly bazars Rice, coconut, salt, cotton, timber and piecegoods are the main articles in coasting trade Value of internal trade is about Rs 100 crores of which 25 per cent is carried on by sea and the rest by rail Raw cotton, grain, pulses, seeds, hides and opium are the chief exports The imports are piecegoods, metals, machinery, sugar, oil, silk and woollen goods

Transport:—The chief railways serving the province are G I P, B B & C I and Southern Marhatta There are several small tramway systems The British India line of steamers ply between Karachi, Persian Gulf and Mangalore and the British India Steam Company serves the ports between Mangalore and Bombay generally The length of railway lines in the Presidency is about 5,500 miles

All the important towns and cities are connected by motor bus service with the interior villages for carrying passengers The motor lorries carry a good amount of goods now-a-days in big cities

COASTING AND FOREIGN TRADE OF THE PRESIDENCY.

The figures at coasting and foreign trade of the Presidency excluding Sind follow

	Coasting			Foreign		
	1932-33	1933-34	1934-35	1932 33	1933 34	1934-35
Imports	(in lakhs of rupees)			(in lakhs of rupees)		
Merchandise	22 84	23 46	24 64	54 32	46 19	53 70
* Treasure	41	12	18	1 91	1 01	3 54
Exports						
Merchandise (including Re-export)	29 29	26 29	25 72	25 14	29 56	32 95
* Treasure				60 68	54 72	53 52

RAIL AND RIVER BORNE TRADE DURING 1934-35.

Imports:—Cement 2,402,000 mds, coal 36,502,000 mds, cotton pucca bales 1,472,000 mds, cotton twist and yarn 216,000 mds, piecegoods 353,000 mds, fruits dried 1,033,000 mds, glass 126,000 mds, rice 4,865,000 mds, wheat 2,099,000 mds wheat flour 640,000 mds, other grains 4,977,000 mds, gunny bags and cloth 465,000 mds, iron and steel 2,894,000,

* Including Currency Notes

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manganese 3,738,000 mds, oil cakes 938,000 mds, kerosene oil 1,786,000 mds, vegetable oil 383,000 mds, cotton seed 490,000 mds, groundnut 2,026,000 mds, sesame 543,000 mds, salt 159,000 mds, sugar 1,433,000 mds, gur 1,355,000 mds, tea 205,000 mds, teak 362,000 mds, other timber 1,429,000 mds

Exports—Bones 147,000 mds, coal 147,000 mds raw cotton 3,439,000 mds, twist and yarn 513,000 mds, piecegoods 2,831,000 mds, myrobalans 226 000 mds, fruits dried 132,000 mds, glass 27,000 mds, rice 412,000 mds, wheat 399,000 mds, other grains 1,181,000 mds, wool 20,000 mds, teak 202,000 mds, other timber 562,000 mds, skins raw 114,000 mds, iron and steel bars 769,000 mds, oil cakes 1,705,000 mds, kerosene oil 207,000 mds vegetable oils 761 000 mds, cotton seed 881,000 mds, groundnut 1,813,000 mds, linseed 277,000 mds, sesamum 186,000 mds, salt 4,930,000 mds, sugar 187,000 mds, gur 404,000 mds, tobacco 556,000 mds

SUBORDINATE PORTS OF THE BOMBAY PRESY.

The foreign trade of the subordinate ports is comparatively insignificant Imports which consisted chiefly of dried fruits (cashew nuts) from Portuguese East Africa, rice from Japan and dates from Iraq increased further from Rs 2,28 487 to Rs 3,47,454 Exports mainly representing cashew kernel to the United States of America, decreased from Rs 7,15,577 to Rs 6,61,013,

Total value of the coasting trade of the subordinate ports declined from Rs 7 69 crores to Rs 6 38 crores Imports rose by Rs 33 07 lakhs to Rs 3 67 crores but exports fell by Rs 1 67 crore to Rs 2 71 crores Nearly half of the total trade of the subordinate ports was with the chief port Bombay

The principal articles exported from the four principal ranges are spices (betelnuts), dried fruits, and wood from Kanara, salt, rice, bricks and myrobalans from Kolaba, wood, rice, cotton raw and bricks from Thana, and cotton raw, cotton seed, pulse and wood from Surat

	Imports:			Exports:		
	1932 33	1933 34	1934 35	1932-33	1933-34	1934-35
	(in 1 000 rupees)			(in 1 000 rupees)		
Surat Range	70 83	80 14	1 02 78	1 35 43	2 28 15	84 35
Thana "	20 99	19 48	22 61	53 59	90 66	66 00
Kolaba "	1 30 22	1 15 36	120 90	65 12	63 11	64 37
Kanara "	1 25 98	1 11 27	114 40	65 44	49 06	52 24
Goa Frontier	5 94	6 39	54 4	2 14	1 70	2 04
Viramgam Range	1 55	1 20	79	2 75	2 37	191
	3 55 51	3 33 85	3 66 92	3 25 48	4 35 05	2 70 92

The chief market-place of the Presidency is BOMBAY An account of this city and its trade transactions follows

BOMBAY.

BOMBAY, situated on an island in a bay, lies at the base of the Western Ghats It is the second city in the Indian Empire and owes its wealth, size and importance to its magnificent harbour and its position as the nearest Indian port to Europe except Karachi Bombay is connected by railway with every part of India It is not only a great port but a great industrial centre also It is about 1,400 miles away from Calcutta and about 800 miles from Madras

As regards overseas trade, Bombay is connected by regular passenger and cargo services with Europe, Australasia, East and South-Africa, China, Japan and America and is also an important link in the transhipment trade between these countries and the sea-ports of Arabia

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and Mesopotamia The trans-oceanic trade of Bombay has a valuable complement in the numerous steamer and sailing services plying along the Western coast Bombay is the headquarters of these coasting services and of others which make a periodical round of the coastal ports between Bombay, Calcutta and Rangoon Bombay is also the centre for the important pilgrim traffic between India and the Hedjaz—from 15 to 20 ships annually sail from Bombay with pilgrims during the season

Bombay is a city which combines the textile specialisation of Manchester (without its imposing array of diverse modern industry) with the commercial and shipping characteristics of Liverpool The prosperity of Bombay rest upon two foundations (1) the power of its cotton mills to supply the cloth that India wants and to withstand competition from rivals in India and outside it and (2) the maintenance of the import and export trade The last ten years have shown that in both respects Bombay is more than vulnerable

Area and Population.—The total area of the Bombay island was 15,480 acres in 1931 compared with 15,066 acres in 1921 The increase is due to the Back Bay reclamation The population of Bombay in 1921 was 1,175,914 The population enumerated in the present census is 1,161,383 a decrease of 14 531 Of the total population 68 per cent are Hindu, 18 per cent Muhammadan, one per cent Jain, 5 per cent Zoroastrian, 7 per cent Christian and 1 per cent others

Occupation—The chief sources of occupation of the city population are (1) industry, which employs 31 per cent of the workers, (2) trade, which employs 16 per cent, (3) unspecified occupations (which are mostly general undefined labour), which employ 22 per cent, and (4) transport which employs 9 per cent Thus, about one in every three of Bombay's workers is employed in industrial occupations of one kind or another

Among industries, textile manufacture is the only important large scale industry in the city and employs about two out of every three persons employed in industry The second most important contributor to the industrial total is industry connected with dress and toilet

FOREIGN TRADE OF BOMBAY

The annual value of Bombay's foreign trade carried on sea during the period ending 31st March 1935 will appear from the table below

Imports:—The chief imports into the port of Bombay are —

	1930 31	1931 32	1932 33	1933 34	1934 35
			(in lakhs of rupees)		
Cotton goods	4 87	3 82	6 49	4 97	5 55
Metals and ores	4 87	3 66	3 43	3 10	3 61
Machinery	3 99	3 58	3 67	4 22	4 27
Sugar	2 49	1 42	1 16	1 00	81
Motor Cars, etc	2 04	1 42	1 19	1 69	2 59
Oils	3 23	3 03	2 89	2 07	2 34
Cotton, Raw	6 32	6 79	7 04	3 42	5 01
Cotton twist and yarn	1 18	1 33	1 65	87	1 37
Artificial Silk	1 55	2 23	2 77	1 95	2 59
Silk Goods	1 45	1 63	2 56	2 42	2 29
Grain, flour and pulse	1 41	34	12	23	17
Instruments	1 63	1 35	1 40	1 60	1 90
Dyeing & tannin substances	1 66	1 85	1 66	1 65	2 13
Woollen Goods	58	42	79	86	1 37
Leather	28	31	33	29	34
Hardware	1 01	85	1 01	95	1 00
Belting	27	27	26	22	24

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	1930-31	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees)			
Paper	99	95	1,10	96	99
Fruits & Vegetables	99	91	70	56	74
Provisions	1 06	75	69	60	62
Glass & Glassware	71	57	70	55	59
Liquor	90	65	69	72	74
Drugs & Medicines	73	77	74	75	76
Spices	62	62	61	54	46
Apparel	42	37	40	39	39
Silk, Raw	61	42	83	49	40
Chemicals	73	76	76	69	82
Rubber	87	70	72	66	75
Bobbins	34	27	24	16	23
Tea	31	34	28	22	12
Precious Stones	40	35	40	46	31
Soap	33	30	26	25	19
Wood & Timber	44	33	27	28	26
Paints	35	31	32	34	34
TOTAL	56 93	49 75	54 30	46 16	53 67

Among the minor imports may be mentioned (the figures within the brackets standing for the value of imports during 1934 35 in lakhs of rupees)—tobacco (10), haberdashery (33), chinaclay (8), stationery (24), cycles (25), wool raw (15), gums and resins (16), toys (20), porcelain (19), toilet requisites (22), tallow (17), starch (27), boots and shoes (5), books (22) and arms and ammunitions (10)

Exports:—The chief exports of Indian produce and manufactures from Bombay during the last few years follow —

	1930-31	1931 32	1932-33	1933-34	1934-35
		(in lakhs of rupees)			
Cotton, raw	4 17	16 09	12 56	14 66	19 49
Seeds	5 95	5 11	3 06	4 60	3 23
Cotton Goods	1 84	1 93	1 06	85	99
Wool, raw	1 05	94	46	83	40
Cotton yarn	1 54	1 24	75	79	59
Oilcakes	1 18	1 04	96	89	95
Grain, pulse & flour	1 04	1 20	69	61	64
Metals and ores	80	17	12	20	20
Hides & Skins, raw	65	25	21	39	46
Leather	59	41	27	35	26
Spices	42	26	21	16	16
Myrobalans	43	35	29	34	26
Wool manufactures	22	8	9	8	9
Oils	27	38	37	35	29
Wood & Timber	19	7	6	9	9
Tobacco	25	16	18	21	22
Gums and Resins	16	12	10	13	14
Hemp, Raw	10	7	9	12	12
Fruits, etc	13	11	13	13	11
Provisions	14	10	9	8	8
Manures	7	5	2	3	4
Dyeing & tannin substances excepting myrobalan	13	10	8	9	9
TOTAL	53 02	31,57	23,17	27,34	30,50

ADVERTISE IN THE PAYING WAY—WRITE TO MANAGER, INDUSTRY OFFICE, SHAMBAZAR, CALCUTTA.

Study of the principal heads under which recovery is recorded suggests that the volume of trade now being retrieved is not identical with that which was lost, either in content or distribution. New industries and modern policy and methods are distinctly reflected. A protectionist policy in India results in the importation of mill machinery, apparatus and materials for manufacture, instead of the manufactured article, itself, c.f. cotton dyes, chemicals, etc. For a somewhat different reason, the demand for films in India suitable for Indian audiences has necessitated the importation of considerable electrical and other equipment for production, in addition to that required for the exhibition of both Indian and foreign films.

There have been marked increases in the imports of cotton raw (including waste) motor cars and motor cycles, etc., artificial silk, cotton manufactures, metals and ores, woollen manufactures, cotton twist and yarn, dyeing and tanning substances, instruments, apparatus etc., and oils. The only important articles which show noticeable decreases are sugar, precious stones and pearls unset and silk manufacture.

As a result of further expansion of industries the total value of imports of machinery advanced from Rs 4.22 crores to Rs 4.27 crores mainly representing larger arrivals of textile machinery, electrical machine of all kinds, and sewing and knitting machines. Imports of prime movers other than electrical, were almost equal to these in the previous year. Arrivals of oil engines and parts, other than locomotives increased while those of locomotives decreased. Imports of textile machinery increased from Rs. 1.55 crores to Rs. 1.79 crores due chiefly to larger arrivals of cotton spinning machinery. Imports of sugar machinery however declined from Rs 65 93 lakhs to Rs 24 03 lakhs.

Coal imports rose from 14,411 tons to 20,336 tons due to larger supplies from the United Kingdom and South Africa.

Due to higher duties in raw silk, dealers have turned their attention to pure artificial silk goods the imports of which have increased from 31 million yards to 52 million yds. in quantity and from Rs. 86.68 lakhs to Rs 1.49 crores in value. Figures of imports of piecegoods made of cotton embroidered or superimposed with artificial silk rose from nearly 3 million yds. to over 7¼ million yds. in quantity and Rs 13.68 lakhs to Rs 28.07 lakhs in value owing chiefly to larger arrivals from Switzerland, Austria and Italy.

As a result of the acreage reduction scheme in America, Indo-Japanese trade agreement, substantial reduction in railway freight on cotton imported into Bombay from Broach and other station as also that from Bombay to Ahmedabad, reduction in dock charges, removal of town duty, the position of cotton trade further imported during the year.

COASTING TRADE DURING 1934-35.

Imports:—Apparel Rs 1,05,000; Bricks and Tiles Rs 890,000; Building Materials Rs 9,26,000; Candles Rs 2,26,000; Chemicals Rs 1,71,000; Coal Rs 60,68,000; Coffee Rs 3,48,000; Coir Rs 10,34,000; Cordage Rs 6,99,000; Drugs and Medicines Rs 8,81,000; Cutch Rs 89,000; Turmeric Rs 1,32,000; Fish dry unsalted Rs 4,02,000; Do salted Rs 1,02,000; Fish wet unsalted Rs 1,56,000; Fodder, Bran, Etc. Rs 4,85,000; Coconut Rs 53,75,000; Vegetables Rs 11,95,000; Do Dried Rs 32,26,000; Gram Rs 2,63,000; Jowar and bajra Rs 3,95,000; Pulses Rs 2,57,000; Rice in the husk Rs 2,51,000; Do not in the husk Rs 4,64,40,000; Wheat Rs 61,76,000; Wheat Flour Rs 10,47,000; Gums & Resins Rs 1,56,000; Hardware and Cutlery Rs 5,42,000; Leather tanned Rs 1,00,000; Matches Rs 7,59,000; Iron

ADVERTISE IN THE PAYING WAY—WRITE TO MANAGER, INDUSTRY OFFICE, SHAMBAZAR, CALCUTTA.

Rs. 1,92,000; Tin Rs 1,42,000; Unenumerated metals Rs 3,67,000; Petroleum Rs. 54,37,000; Kerosene Rs. 1,35,000; Lubricating Oils Rs. 12,11,000; Castor Oil Rs. 1,39,000; Coconut Oil Rs. 14,64,000; Groundnut Oil Rs. 6,48,000; Linseed Oil Rs. 78,000; Oilcakes Rs. 2,63,000; Paints and Colours Rs. 4,89,000; Glue Rs. 45,64,000; Other provisions Rs. 3,13,000; Seeds Essential Rs 6,01,150; Castor seed Rs 4,85,000; Copra Rs 47,00,000; Cotton seed Rs 4,64,000; Groundnut Rs 10,81,000; Sesamum Rs 2,34,000; Other seeds Rs 3,09,000; Betelnuts Rs 24,87,000; Cardamom Rs 2,79,000; Chillies Rs 3,60,000; Ginger Rs 9,60,000; Pepper Rs 29,13,000; Sugar Rs 1,24,000; Tea Rs 64,39,000; Cotton Rs 467,92,000; Do Waste Rs 57,94,000; Twist and yarn Rs 11,60,000; Piecegoods Grey Rs 28,58,000; Do White Rs 5,94,000; Do Coloured Rs 2,17,000; Gunny bags Rs 4,754,000; Do Cloth Rs 28,40,000; Rope and Twist Rs 3,55,000; Wool raw Rs 4,87,000; Do Manufactures Rs 72,000; Teakwood Rs 50,61,000; Other Timber Rs 3,15,000; Ornamental wood Rs. 4,14,000. Total Rs 20,19,89,000; Foreign Merchandise Rs. 97,65,000.

Exports:—Apparel Rs 1,17,000; Books Rs. 2,04,000; Boots and Shoes Rs. 3,85,000; Building Materials Rs 1,87,000; Chemicals Rs 2,94,000; Coal Rs 1,01,000; Drugs and Medicines Rs 4,34,000; Turmeric Rs 2,31,000; Coconuts Rs 1,38,000; Vegetables Fresh Rs 5,68,000; Do Dried Rs 5,42,000; Gram Rs 2,31,000; Jowar and bajra Rs 3,23,000; Pulses Rs 69,67,000; Rice in the husk Rs 4,78,000; Do not in the husk Rs 27,17,000; Wheat Rs 6,95,000; Wheat Flour Rs 13,97,000; Gums and Resins Rs 1,28,000; Hardware and Cutlery Rs 3,78,000; Goatskins Rs 1,33,000; Leather tanned Rs 72,000; Matches Rs 6,75,000; Brass Bronze, etc. Rs 5,87,000, Copper Rs 2,05,000; Iron Rs 2,14,000; Unenumerated metal Rs 4,15,000; Petroleum Rs 9,28,000; Kerosene Rs 14,32,000; Groundnut oil Rs 7,08,000; Linseed oil Rs 1,14,000; Oil cakes Rs 5,05,000; Paints and Colours Rs 2,22,000; Paper and paste board Rs 94,000; Butter Rs 7,52,000; Ghee Rs 1,24,000; Other Provisions Rs 23,50,000; Salt Rs 23,83,000; Seeds Essential Rs 30,66,000; Copra Rs 97,000; Cotton seed Rs 27,74,000; Groundnut Rs 9,14,000; Rape Seed Rs 5,45,000; Sesamum Rs 23,64,000; Other Sorts Rs 225,000; Betelnuts Rs 439,000; Chillies Rs 2,41,000, Pepper Rs 84,000; Sugar Rs 2,91,000; Molasses Rs 4,00,000; Tea Rs 3,71,000; Cotton Raw Rs 29,03,773,000; Twist and yarn Rs 1,16,77,000; Piecegoods Grey Rs 8,77,42,000; Do White Rs 52,25,000; Do Coloured Rs 2,16,56,000; Do other sorts Rs 12,01,000; Gunny bags Rs 5,98,000; Do Cloth Rs 1,82,000; Tobacco Rs 7,28,000; Cigarettes Rs 11,21,000; Umbrellas Rs 1,26,000; Teak wood Rs 12,79,000; other Timber Rs 3,39,000; Firewood Rs 1,22,000; Ornamental wood Rs 2,50,000; Manufactures of wood Rs 1,34,000; Total Rs 18,00,93,000

RAIL AND RIVER BORNE TRADE DURING 1934-35.

Imports:—Bones 118,000 mds; cement 1,019,000 mds; coal and coke 3,151,000 mds, raw cotton 8,941,000 mds; cotton twist and yarn 110,000 mds; piecegoods, foreign 5,000 mds; do. Indian 593,000 mds; myrobalans 376,000 mds; dried fruits 49,000 mds; glass 115,000 mds; paddy 20,000 mds; rice 403,000 mds; wheat 2,199,000 mds; wheat flour 21,000 mds, other grains 5,459,000 mds; hempfibres 145,000 mds; hides 55,000 mds; skins 128,000 mds; leather 43,000 mds; gunny bags and cotton 221,000 mds; iron and steel bars 21,73,000 mds; manganese ore 1,673,000 mds; oil cakes 2,834,000 mds; castor 885,000 mds; vegetable oils 210,000 mds cotton seeds 1,954,000 mds; groundnut 3,781,000 mds; linseed 3,097,000 mds; sesamum 399,000 mds; rape 141,000 mds; sugar 1,615,000 mds; gur 1,61,000 mds; tea 173,000 mds; tobacco raw 116,000 mds; timber 212,000 mds; wool raw 84,000 mds.

Exports:—Cotton pucca baled 979,000 mds; twist and yarn Indian 315,000 mds; do. foreign 124,000 mds; cement 66,000 mds; piecegoods,

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Indian 2,023,000 mds, myrobalans 34,000 mds, fruits, dried 1,719,000 mds: rice 4,416,000 mds, wheat 100 000 mds, wheat flour 650,000 mds, leather 26,000 mds gunny bags and cloth 623,000 mds, iron and steel bars 3 807 000 mds, manganese ore 580 000 mds, coal 125,000 mds, kerosene oil 3627,000 mds, vegetable oils 477,000 mds, cotton seed 28,000 mds, sesamum 236,000 mds, salt 434,000 mds, sugar 1,461,000 mds, timber 223,000 mds, tea raw 192,000 mds, tobacco raw 1 000 mds

AHMEDABAD DISTRICT.

The AHMEDABAD district is generally a flat country with only a few rocky hills The district covers an area of 3,819 sq miles and has a population of 923,431 The soil is mostly alluvial and black cotton Average rainfall is about 30"

Area under crops in 1932 33 —Cholam 358,000 acres, wheat 123,000 acres, bajra 155,000 acres, rice 49,000 acres, gram 7,800 acres, sesamum 48,000 acres, maize 5,000 acres, other grains and pulses 89,000 acres, rapeseed 17,000 acres, castor seed 13,000 acres, groundnut 22,000 acres, oil seeds 100,000 acres, cotton 523,000 acres, other fibres 3,200 acres, tobacco 4,200 acres, fodder crops 134,000 acres, fruits and vegetables 7,600 acres, total 1,567,000 acres Rice is grown in Daskhorod and Sholka talukas where many garden crops are also grown

AHMEDABAD—Ahmedabad is the chief city in the District and is now the second largest city in the Presidency It ranks first among the cities of Guzrat and is one of the most picturesque towns and has a population of 323,833 About 300 miles from Bombay and about 50 miles from the head of the Gulf of Cambay, it is an important junction on the B B & C I and stands on the left bank of the Sabarmati

The principal industry of Ahmedabad is the spinning and weaving of cotton yarn and indeed some of the finest cloth woven in Indian mills are made here Ahmedabad city is at present second only to Bombay as a centre of the manufacture of cotton yarn and cloth and is an important centre in the Indian cotton mill industry There are 83 cotton mills, commanding 20,23,190 spindles and 50,400 looms and employing 79,649 operatives

Dyeworks, metal factories, match factory, oil mills represent the industries of the district The imports comprise sugar, piece-goods, timber, metal, grain, coconuts, and molasses while the exports are oil seeds, grain, ghee, molasses, tobacco, iron, copper silk, cotton and cloth, gold and silver cloth, pottery, wood work, etc The trade is carried on both by coasting vessels and rail, and is chiefly directed to Bombay Ahmedabad is a market for Bengal and Ahmedabad silk and the products are exported to Kathiawar, Rajputana, Central India, Nagpur and certain other places

The manufactures of the district include copper and brassware, shoes, blankets, etc Manufacture of silk and brocaded goods is carried on Locally produced silk goods find market in different parts of India The manufacture of gold and silver thread, which are worked into the richer varieties of silk cloth and brocade, supports a considerable number of people Tin and electro-plating are also carried on to some extent Many families are engaged as handloom weavers working up cotton cloth Black-wood carving is another important industry, and the finest specimens of this class of work may be seen here The common pottery of this place is also decidedly superior The manufacture of shoes and leather work gives employment to a large number

The important centres of trade are VIRAMGAM (18,965), DHOLKA (13,743), DHANDHUKA (9,076), MADASA (8,819), PRANTIJ (6,467), SANAND (7,319), and MANDAL (5,373)

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AHMEDNAGAR DISTRICT

The AHMEDNAGAR district (area, 6,586 sq miles, population, 987,949) is traversed by the Western Ghat chains and has many spurs and ridges to the east Average annual rainfall is about 24" and the climate of the place is genial The district contains some cave temples dating from the 12th century and there are a number of forts of historic interest

Staple crops are jowar, bajra, wheat and gram, which are grown on the banks of the Godavari and the Bhima Vari and ragi are grown in the Akola taluks Tur, math, kulith and cotton are grown in the eastern portion Safflower, sesamum and linseed are also grown besides sugarcane, tobacco, betel leaf and vegetables to a small extent

Area under crops during 1932 33 Cholam 1,041,000 acres, bajra 785,000 acres, wheat 183,000 acres, gram 88,000 acres, cereals and pulses 266,000 acres oilseeds 73,000 acres, linseed 22,000 acres, sesamum 22 000 acres, groundnuts 17,000 acres, condiments and spices 6,600 acres, cotton 144,000 acres, Tannin Materials 138,000 acres, tobacco 2,000 acres, fodder crops 62,000 acres, fruits and vegetables 11,300 acres, total 2,865,000 acres

Canal irrigation is carried on in the district There are about 1,000 sq miles of the reserved forest of which teaks are excellent and are used for rafters and poles Banian, jambul, behra, ain and karvand trees are also available Lime stone is abundantly obtained

The industries of the district constitute weaving of saries and turbans, copper and brass pots, paper making and carpet making

The head quarter town (AHMEDNAGAR CITY) has a population of 41,890 and contains a cantonment with a population of 15,639 There is a carpet factory and a weaving institute The industries of the town are sari weaving and making of copper and brass vessels Situated on the left bank of the Sina, it lies 72 miles off from Poona and is a railway station on the Dhond—Manmad Railway

Other centres of trade are SANGAMNER (15,355), KOPARGAON (7 128), PATHARDI (6,835), SHRIGONDA (6,331) and BELAPUR (5,482)

BELGAUM DISTRICT

BELGAUM is a hilly tract of land, situated in the south of the Presidency The district's population is 1,078 561 Its area is about 4,649 sq miles The chief means of communication is the Southern Mahratta Railway

The soil of the district is composed of black and red varieties of which the former kind is very fertile Most of the grains, pulses, oilseeds and fibres are sown on dry fields of the district Cotton is grown here mainly on black soil and is reaped as a cold season crop Ginger is grown in garden lands, chiefly for domestic consumption

Area under crops in 1932 33 —Rice 119,000 acres, wheat 125,000 acres, jowar 529,000 acres, bajra 181,000 acres, marua 27,000 acres, maize 11,000 acres, gram 49,000 acres, other grains and pulses 259,000 acres, linseed 2,800 acres, sesamum 3,100 acres, rape and mustard 3 400 acres, groundnut 77,000 acres, total oil seeds 89,000 acres, condiments and spices 27 000 acres, sugarcane 13 000 acres cotton 232,000 acres, other fibres 10,000 acres, dyes and tans 32,000 acres, tobacco 42,000 acres, fodder crops 136,000 acres, fruits and vegetables 20,000 acres, total 1,903,000 acres

BELGAUM, the Sadar station, is a municipality and has a population of more than 40,000 The town has a booming trade Trade in silk and cloth (cotton) is also considerable It exports agricultural products, rice, jaggery, tobacco and cotton in large quantities and

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imports cloth, silk, salt and grain Markets are held in the villages throughout the district at fixed intervals Next to agriculture, handloom weaving constitutes the principal industry of the district

GOKAK—The town of Gokak has a population of more than 10,000 It was once a seat of a large dyeing and weaving industry which is now extinct There is one cotton mill near Gokak Falls The town is a centre for the manufacture of toys

KHANAPUR—It is the most sparsely populated taluka in the district The town is situated on a rocky hill which is well wooded Bamboos, banyans, tamarinds and mangoes abound in these woods The articles of trade are salt, dried fish, dates coir, coconuts (from the port of Veneguria), all sorts of grains, sugar and molasses

BARGAON has a good weekly market in it

GHODGERI—Glass bangles are made locally on a large scale, the annual production being about 72 lakhs of pairs

HONGAL—This town has a population of about 10 000 Coarse cotton cloth is woven here and sold in the neighbouring market or, the cloths together with other country stuff are exported via the head quarter town of Belgaum to Konkan The place is noted for superior bullocks which are brought for sale in the markets A large annual fair is held at the town where wrestling competition is also held

KONGUALI—The town has a big trade in rice with Belgaum and other places of Kolhapur It imports cloth, dates, salt, spices and sugar A weekly market is held on Thursday where cotton yarn, grains, molasses, tobacco and about 2000 to 3,000 cattle are offered for sale Saries and waist cloth and blankets are woven

KUDCHI—An annual fair is held here at the tomb of a Mahomedan Fakir

MANOLI—It is a good market for cotton and grains and is a centre for printing cotton cloths It was once famous for dyeing industry There are many temples

MURGOD—It is also a good market for cotton and grains It has also a cottage industry of printing cotton cloth A small fair is held here in March which is of six days' duration

NANDGARH—It is also an important trade centre It imports arecanuts, coconuts, coconut oil dates and salt from Goa Wheat and other grains are exported from this place

NIPANI (population 12,000) is a large trade centre It is a central port of trade between the seacoast and the interior Crowded weekly markets are held here on Thursdays where about 2,000 to 3,000 cattle are offered for sale each day Beedi tobacco is prepared on a large scale here It is the biggest tobacco market in the Bombay Presidency about 37 million lbs of tobacco being sold there per annum About 2,500 people are employed in the town for about 4 months in 'jarda' making season The tobacco is usually despatched in gunny covers containing about 252 lbs each to Calcutta, C P, Madras and Coast markets

SADALGI—Coarse cotton cloths, worsted blankets and womens' saries are woven here Sugar making by the indigenous process is the chief industry Sugarcane is cultivated over a large area and molasses are also prepared and sent away to other parts Grains and pulses are imported

SANKHESWAR—Traffic is carried on in cotton, dry coconuts, dates, spices and curry stuffs Cotton-ginning and pressing is the chief industry

YAMAKANMARDI (population 5,000)—There are more than 300 hand looms for making saris, blankets etc A grand weekly market

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is held here on Tuesdays where dry coconuts, dates, grains, wheat and cloths are offered for sale and exchanged for foreign articles

SANDATH-YELLAMMA—It is also an important trade centre A fair is held here during full moon of April-May and again in November-December Many fancy articles and idols are sold in those melas More than 1 lakh of pilgrims assemble here

BIJAPUR DISTRICT.

The district of BIJAPUR which has an area of about 5,707 sq miles and a population of 869,697 is mostly hilly with thick shrubs of wood on the tops Two kinds of soils are found here—the black variety which retains moisture and the red soil near the sandy hills, of which the former is generally fertile and produces other food grains and pulses besides cotton for which the soil is particularly suitable The average annual rainfall in Bijapur town is 28" and the climate of the district is on the whole dry and healthy

The district is well communicated by the Southern Mahratta Railway, the East Deccan Branch of which runs through five of the eight taluks of Bijapur connecting it with the prosperous districts and flourishing trading centres in the north and south It speaks Kanarese

Crops grown in the district include jowar, cotton, bajra, wheat, rice, rale kang or the Italian millet Pulses, e g, tur, gram, kulith, mung, math are also grown Castor seed, linseed, safflower and sesamum are also grown here

Area under crops in 1932 33 —Rice 7,000 acres, wheat 264,000 acres, barley 3,000 acres, jowar 1,236,000 acres, bajra 383,000 acres, gram 37,000 acres, other grains and pulses 176,000 acres, linseed 46,000 acres, sesamum 19,000 acres, rape and mustard 2,700 acres, groundnut 62,000 acres, total oil seeds 132,000 acres, condiments and spices 5,700 acres, cotton 601,000 acres, other fibres 6,800 acres, dyes and tans 72,000 acres, tobacco 1,200 acres, fodder crops 12,000 acres, fruits and vegetables 10,000 acres, total 2,950,000 acres

Cotton and silk cloth are the chief manufactures of the district where weaving is a most popular industry

Chief imports into this district are piece-goods and rice from Sholapur, coconuts and salt are brought from the coasts, betelnuts and spices are brought from Kanara and molasses are imported from Belgaum Weekly markets are held in all the taluks

Bijapur exports cotton yarn, cotton cloth, copper wares, coarse woollen blankets cattle and coast produce

AMINGARH—It has a large cattle market and is a trade centre for rice and coconuts brought from the sea coast

ABSIBIDI and BADAMI are the two villages which are interesting for Jain excavation and cave temples and many people come here for sight seeing

BAGALKOT—It has a considerable trade The town manufactures silk and cotton goods and there are many cotton ginning and pressing factories There are three markets in the town where grains, pulses and oil-seeds are sold besides the necessary vegetables for every day use

BIJAPUR—It is the headquarters of the district and has a population of more than 25,000 The town has a large grain and cattle trade There are several cotton ginning and pressing factories and it is a centre of cotton trade in the Deccan Gol Gombaza is the principal object of sight in this town.

GULEDGARH has a good trade in the agricultural products besides cotton, its chief article of trade Cotton and silk cloths are manufactured here and sent to Sholapur, Poona, Konkan and Bombay There

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are several valuable quarries whence stone is dug up and is much in demand

ILKAL is the principal market place in the taluks It is also a centre of weaving and dyeing industries It exports silk and cotton manufactures and agricultural produce (grains, pulses, wheat, etc,) Cotton cloth and saries are sent to Sholapur, Poona, Belgaum and the Nizam's Dominions A yearly fair is held on the full moon day of Poush (January)

TALIKOTA has a rising industry in superior carpets The Juma Masjid is famous here An annual fair is held during March-April in which many fancy things are sold

BROACH DISTRICT

The district of Broach has an area of 1,543 sq miles, and a population of 334,001 and the language spoken here is Guzrati It forms an alluvial plain sloping gently westwards There are only a few hillocks and sand hills here The surface consists of black cotton soil which is highly fertile and is well cultivated and there are no forests The climate is very healthy and pleasant and the annual average rainfall is about 35"

Area under crops in 1932-33 —Rice 10,000 acres, wheat 63,000 acres, jowar 111,000 acres, bajra 5,300 acres, gram 1,900 acres, other grains and pulses 83,000 acres, sesamum 10,000 acres, total oil seeds 12,000 acres, cotton 296,000 acres, tobacco 1,500 acres, fodder crops 52,000 acres, fruits and vegetables 3,000 acres, total 639,000 acres

The chief exports are wheat, cotton and piecegoods and the imports are yarn, metals, sugar, piecegoods and timber The important trade centres are BROACH, ANKLESWAR, JAMBUSAR, HANSOT and AMOD

BROACH (41,341)—The city of Broach is one of the oldest sea ports of Western India The chief articles of trade are mohua flowers wheat and cotton which are exported to the south, imports from those places are molasses, rice, betelnuts, timber, coal, iron, and coconuts The exports consist of grain, pulses, cotton, mohua flowers, tiles and firewood, and imports of fruits stone for building purposes All this traffic is coastal Foreign trade is insignificant There are five cotton spinning and weaving mills at BROACH

AMOD TOWN—This town has a population of about 6,600 The prevailing soil is black cotton shading off to grey soil which is too salty

ANKLESWAR (population 12,000)—The chief article of trade of this place is cotton There are also several ginning and pressing factories Trade in rafters from the surrounding country and from outside the district is also considerable Bamboos are also imported

The B B & C I Rly is the chief means of communication, but there is also a branch of the Rajpipla State Rly connecting Ankleswar with Nandod, and passengers from Kathiawar come by sea

DHARWAR DISTRICT.

The district of DHARWAR has an area of about 4,604 sq miles and it speaks Kanarese Its population is 11,22,908 The annual rainfall averages 33" and the climate is perhaps the healthiest in the Presidency

A part of the DHARWAR district is hilly and sandy soil is met with in several parts, Soil of this district, however, is classified under three heads· (1) red soil, (2) black cotton soil and (3) the rich brown loam with sandy tinge. Land is cultivated here chiefly on the ryotari system

Agricultural crops raised from the lands include jowar, rice, pulses including tur, gram, moong and kulith Cotton grown here is of the

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best quality and vie with those of Surat and Broach in quality; it is both indigenous and exotic. Sugarcane and chillies are also extensively cultivated but cotton is the most important crop of this district as a whole.

Area under crops in 1932-33:—Rice 153,000 acres; wheat 237,000 acres; jowar 528,000 acres; bajra 6,700 acres; marua 27,000 acres; gram 36,000 acres; other grains and pulses 303,000 acres; linseed 11,000 acres; sesamum 11,000 acres; castor seed 4,000 acres; groundnut 67,000 acres; total oil seeds 100,000 acres; condiments and spices 71,000 acres; sugarcane 3,800 acres; cotton 635,000 acres; other fibres 6,400 acres; dyes and tans 42,000 acres; tobacco 700 acres; fodder crops 92,000 acres; fruits and vegetables 11,600 acres; total 22,56,000 acres.

Silk cloth and the usual household utensils and ornaments, fine cotton carpets are manufactured at NAVALGUND; glass bangles are made at DHARWAR. There are one up-to-date cotton mill and several ginning and pressing factories and one oil mill in this district.

Agriculturally the district is most fertile and is very important in the Presidency. It largely imports European goods, chillies, coconuts, molasses and betelnuts from the adjoining Kanara and Mysore districts. The chief exports of the district are cotton and cotton manufactures, grains, bangles and carpets. Besides this, local trade in jowar and other agricultural products is also considerable.

The important trade centres of the district are HUBLI and DHARWAR in the west, NAVALGARU in the north, GADAG in the east and RANIBENNUR in the south.

ANNIGERI (population about 9,000) has a considerable trade in grains and cotton. It has a large weekly market, where agricultural products, foreign manufactured goods and oil are sold. An annual fair is held in October and November.

BANKAPUR (Population about 7,000)—A weekly market is held here every Tuesday where coarse cloth, blankets, oils and metal vessels are sold in large quantities. The town has a fine Jain temple of Ratnaswami, where pilgrims from different parts of the district assemble on festivals

BYADGI (population about 6,000).—A weekly market is held here on Saturdays. This is probably the biggest in the district. Rice, molasses, groceries and chillies are generally sold in this market.

DHARWAR town is the headquarters of the district and a railway station on the Southern Mahratta Railway. The exports include cotton, timber and grains and pulses. Rice is also exported. It imports piece-goods, chillies, coconuts, molasses, dates, betelnuts, groceries, indigo, lead, zinc, copper and brass. Metals are imported and vessels are made of them which are sold in and out of the district. There is no important manufacturing industry except the jail industries of carpet, cloth and cane articles. The climate of the place is on the whole good. The town is fast becoming a good centre of cotton trade.

GADAG (population 33,000).—It is a flourishing town. It has an important trade in raw cotton and silk fabrics. This is the main cotton mart of the district. There is one cotton mill here.

HAVERI (population 9,000).—It has a considerable trade in cotton, cardamoms and other spices. Melas are frequent. There is a regular weekly market.

HUBLI CITY.—This is the biggest town in the district. It has a population of about 69,000. It is a centre of cotton trade not only in this district but also in the whole of Southern Marhatta country. There are 2 cotton mills and several cotton ginning and pressing factories in

To learn the art of making disinfectants, read "Manufacture of Disinfectants & Antiseptics" Re.1-8. Industry Book Dept., Calcutta.

the town Trade is conducted on a large scale in raw cotton, cotton and silk fabrics, copper vessels, grain, salt and other commodities. The climate of the place is on the whole good It is a railway junction

NAREGAL—A weekly market of some importance is held here and many articles of trade namely grains, pulses and wheat are sold Spices are obtainable

NARGUND—Merchants from different parts of the province, specially from Dharwar and South Kanara, come here and purchase rice, sugar, spices and other agricultural products An annual fair is held on the full moon day of Aswin in honour of God Venkateshwar

NAVALGUND is noted for the production of excellent cotton carpets Cattle of a superior breed and appearance is the special feature of the place A weekly market is held on Tuesdays, where these good carpets and cattle are brought for sale, besides many other agricultural products

RANIBENNUR is a thriving town It has a considerable trade in raw cotton and the place is noted for the excellence of cotton and silk fabric The surrounding country has many sheep, and the shepherds of the place visit CHOLMARADI in February and again in August to pay respect to Bir Deo

YAMNUR is a small village having an annual fair, where about 60,000 people assemble

KAIRA DISTRICT.

KAIRA has an area of about 1,695 sq miles and the population is 7,39,490 (1931) The climate is trying and the annual rainfall is 39" on an average Four classes of soils are met with—light, medium, black and alluvial, light variety being most common, alluvial soil near VATRAK is however a rich garden land The chief crops are bajra, kodra, rice, jowar and wheat, cotton is also grown Finest tobacco in India is grown here in NADIAD, BORSAD and ANAND taluks The district is noted for its clarified butter or ghee which is exported largely The traffic is by rail and road

Area under crops in 1932 33 —Rice 107,000 acres, wheat 16,000 acres, jowar 39,000 acres, bajra 120,000 acres, marua 52,000 acres, gram 9,000 acres, other grains and pulses 158,000 acres, sesamum 15,000 acres, castor seed 18,500 acres, groundnut 26,000 acres, total oil seeds 61,000 acres, condiments and spices 4,400 acres, cotton 87,000 acres, other fibres 4,200 acres, tobacco 58,400 acres, fodder crops 129,000 acres; fruits and vegetables 3,700 acres, total 851,000 acres

KAIRA TOWN, (population 8,316) a municipality since 1857, is the head quarters of the district and stands 7 miles south west of Mehmadabad Station on the B B & C I Railway and 20 miles south-west of Ahmedabad It is considered a very old town

Hand spinning for Nadiad and Ahmedabad mills is carried on Soap and glass are manufactured at KAPADWANJ Glass bangles are made on a large scale in KAPADWANJ There are two spinning mills at NADIAD which is a central taluk in the Kaira district and has an area of 224 sq miles NADIAD TOWN, the headquarters of the taluk of the same name is a railway station on the B B & C I Rly, 29 miles from Ahmedabad It has a big market for tobacco, ghee, cotton, leather and sugar The Swadeshi Glass Manufacturing Co Ltd, near Gadhra, manufacture glasses and chimneys

The chief exports are cotton prints, grain, tobacco, butter, oil and mohua flowers, the imports are grocery, piece-goods, molasses and dyestuffs

To learn the art of making disinfectants, read "Manufacture of Disinfectants & Antiseptics" Re. 1-8. Industry Book Dept, Calcutta.

KANARA DISTRICT.

KANARA (3,945 sq miles) has a population of 4,17,742 The district stretches for about 76 miles along the coast of the Arabian Sea

The principal crops are —Rice, jowar, ragi, pulses (mung, kulith and urid), sugarcane, safflower, coconut and areca-nut, lesser cardamoms, pepper, tobacco, betel leaf, etc

Area under crops in 1932 33 —Rice 163,000 acres, other grains and pulses 6000 acres, coconuts 12,000 acres, total oil seeds 12,500 acres, condiments and spices 4,300 acres, sugarcane 2,900 acres, fodder crops 25,000 acres, fruits and vegetables 17,500 acres, total 244,000 acres

The chief importance of the district lies in its harbours These harbours though small have served the adjoining districts with great advantage The small ports in this district are KARWAR, KUMTA, ANKOLA, HONAVAR and BHATKAL The imports in these ports average about Rs 20 lakhs while exports generally exceed Rs 40 lakhs The ports send away rice, timber, coconuts spices, piece-goods, metals, sugar and spirits Cotton from Dharwar is also sent away from KUMTA The forest products include various timbers, sal, teak, etc and there are about 4 saw mills in the district

BHATKAL —The articles of trade include rice betelnuts, coconuts and cotton cloth Though a small town the imports exceed Rs 1 lakh in value and exports amount to about Rs 70 000 annually

CASTLE ROCK —The importance of the place lies in the fact that the Goa Frontier is only 3 miles off this place It has a considerable trade in salt (worth about Rs 10 lakhs) which is imported into the district viz, Goa The exports are grains and cotton to Marmugao and are worth no less than Rs 30 lakhs

GOKARN —An annual fair is held here during February The place has been mentioned in the Ramayana and the Mahabharata

HALDIPUR —An annual fair is held in March where many people assemble

HALIYAL TOWN —There is a timber depot The imports average about Rs 4 lakhs and exports amount to about Rs 6 lakhs Main item of export is rice

KARWAR —Once an important seat of commerce KARWAR is the only safe harbour between Bombay and Cochin Coastal imports during 1930 31 amounted to Rs 12 lakhs and exports to Rs 7 lakhs It is a municipal town and lies some 50 miles south-east of Goa and 203 miles south east of Bombay It is the Sadar Station of the district

HONAWAR —The port has good coasting trade with hardly any foreign trade The following among other articles are imported through this port —Fresh fruits and vegetables, gram, pulses, rice, wheat, flour, petroleum, kerosene, coconut oil, coriander seed, cotton seed, cotton twist and yarn, cotton manufactures jute manufactures, copper, iron or steel, kerosene, cotton piecegoods, haberdashery Exports consist chiefly of betel-nuts, cardamoms, chillies, pepper, firewood, dry salted fish, timber

KUMTA —The trade of the place in cotton, spices and grains is very important It has also a manufacturing industry in carving of sandalwood

SIRSI —A fair which lasts for a whole week is held here every alternate year in honour of God Mari

Kanara chiefly exports rice, timber, coconuts and spices, while various piecegoods, metals, spirits and sugar constitute its chief imports

KHANDESH (EAST AND WEST) DISTRICTS.

The KHANDESH district is mainly mountainous and is probably a tableland The only river is the Tapti West Khandesh though

To get in touch with Indian Manufacturers, read "Directory of Indian Industries" price As. 4. Industry Book Dept, Shambazar, Calcutta.

greater in area than East Khandesh, being 6,401 sq miles in area as compared to 4,651 sq miles of East Khandesh, is much less developed than the latter and is still very wild in places in the west It is in the central division of the Bombay Presidency and contains a population of 7,71,704 The population of East Khandesh is 1,205,315

East Khandesh is the easternmost district of Bombay, the soil presenting an extraordinary fertile appearance, especially in the valley of the Tapti proper Most of the villages here possess several mango groves and the rather uninhabited tract lying north in the Satpura mountains produces excellent bamboos, grass and fair timber Rainfall is usually both general and regular and the district (E Khandesh) perhaps grows more cotton for its size than any other in India

Area under crops in 1932-33 —Wheat 39,000 acres, jowar 329,000 acres, bajra 237,000 acres, gram 11,000 acres, other grains and pulses 249,000 acres, linseed 1,800 acres, sesamum 10,000 acres, castor seed 3,600 acres, groundnut 422,000 acres, total oil seeds 432,000 acres, condiments and spices 20,000 acres, sugarcane 1,500 acres, cotton 590,000 acres, other fibres 4,900 acres, indigo 140 acres tobacco 1 960 acres, fodder crops 8,000 acres, fruits and vegetables 20,600 acres, total 1,951,000 acres

It possesses four spinning and weaving factory, besides over 100 ginning and spinning mills Glass bangles are manufactured at NASIRABAD and EDLABAD And the chief export is naturally cotton, but grain, linseed and sesamum are also among its exports

JALGAON (population 34,286) —The Sadar Station and headquarters of the district, is situated at the junction of the G I P and T V Railway, which between them traverse the whole length and most of the breadth of the district There are two cotton mills here

AMALNER (population 23,491) —The surrounding country is level plain but has hills in the south The northern portion is irrigated, the Tapti, the Bori and the Paiyhra crossing it It has a population of about 23,000 and is an important centre of local trade in grain and cotton There are ginning and pressing factories and one cotton mill A large fair is held in May in honour of Sakharam Bhava

Exports from **West Khandesh** constitute cotton, food-grains, oil-seeds, butter, indigo, wax and honey, while the imports are salt, spices, metals, piecegoods, yarn and sugar Traffic is rail-borne

Area under crops in 1932-33 —Rice 49,000 acres, wheat 157,000 acres, jowar 186,000 acres, bajra 296,000 acres, marua 13,000 acres, maize 5,7000 acres, gram 40,000 acres, other grains and pulses 165,000 acres, linseed 4,200 acres, sesamum 15,300 acres, rape and mustard 1,500 acres, castor seed 23,458 acres, groundnut 102,000 acres, total oil seeds 159,000 acres, condiments and spices 12,700 acres, sugarcane 1,700 acres; cotton 401,000 acres, other fibres 8,800 acres, fruits and vegetables 12,200 acres, total 1,509,000 acres

DHULIA (population 39,939) —The head-quarters of West Khandesh, is a railway station on a branch of the G I P Railway which joins the main line at Chalisa There is a cotton mill here and one at Gadag.

The chief trading towns in KHANDESH besides DHULIA and JALGAON are BHUSAVAL (27,989), DHARANGAON (18,542), NASIRABAD (14,753), CHOPDA (18,434), CHALISGAON (16,808), ERANDOL (12,382), NANDURBAR (16,919), YAWAL (12,751), PAROLA (12,277), RAVER (9,489), PACHORA (9,082), SHIRPUR (10,938)

KOLABA DISTRICT

The district occupies some 2,131 sq miles in area in the southern division of Bombay and contains a population of 6,28,825.

To get in touch with Indian Manufacturers, read "Directory of Indian Industries" price As. 4. Industry Book Dept., Shambazar, Calcutta.

The district essentially comprises the western coast round Bombay with several islands in it The climate throughout the district is salubrious and many visitors come here to spend their summer. The coastal country is mainly hilly Different kinds of soil are met with here, the sandy portion, the alluvial tract and the clayey mould Rice is cultivated here widely and grows both on saline tract and on sweet land It is of two kinds, red, and white, this being the staple food of the district Val, urid, tur, mug are the pulses grown here Sesamum and niger seed are the chief oil seeds Sunn hemp, betel leaf and pine-apple are also largely grown and these have a good trade within and outside the district The chief manufacture of the district is distillation of wine and spirits from rice and mohua, the latter being brought into the district from country outside

Area under crops in 1932-33 —Rice 277,000 acres, marua 35,000 acres, other grains and pulses 46,000 acres, sesamum 2,600 acres, total oil seeds 4,600 acres, fodder crops 50,000 acres, fruits and vegetables 2,200 acres, total 416,000 acres

ALIBAG (population 6,653) —It is the headquarters of the district and only 19 miles south of Bombay The town is practically covered with a forest of coconut trees and presents a good and promising scenery from outside There are many mango gardens also, and the town has a roaring trade in these mangoes and coconut Agricultural products and foodstuff are chiefly brought from outside the town and are consumed by the people living in the surrounding country

CHAUL (population 7,000) —An annual fair is held and many people assemble there to make their purchases

ELEPHANTA —The rock cave of Elephanta is a resort of many people from the surrounding districts and the Bombay city

KARAIYA —Rice is the chief crop Liquor from mohua, and salt are produced here in abundance and are chiefly exported in large quantities Fishing is a great industry, fishes are sent to Bombay chiefly The salt works of the place present a curious sight to the observer KHANDERI and KUDA are the other important places in the district

MAHAD TOWN (population 8,123) —It has a large sea-borne trade It imports salted and fresh fishes from Malabar, Goa and Konkan coasts, other imports being dates, sugar, iron, kerosene oil and piece-goods It exports onions, garlic, potatoes, sugar and myrobalans

MATHERAN (population 2,734) —It has an ideal climate, being situated on an elevated ground facing the sea Owing to its healthy climate during summer, people flock to this place from Bombay and adjoining districts to spend summer here

PANVEL TOWN (population 8,423) —It imports grains, fishes, liquors, gunny bags, mohua flower, coconuts, and timber, and exports grains, ghee, firewood from the adjoining jungles Cart wheel is a speciality of the town and the name represents a trade mark Lubricating oils for wheels and axles as also oil-seeds are also exported Cart-wheel making is the chief local industry Bricks are also made here

PENTOWN (population 6,635) —The place, though small has a roaring trade Both the imports and exports amount to about Rs 4 lakhs separately

ROHATOWN (population 5,883) is a great rice market for supplying the whole demand of Bombay town

URAN (population 9,762) —It has a large custom house and liquor shed at MORA There are about 20 distilleries which supply Thana and Kolaba districts and also Bombay City with liquor Exports from

Poultry Farming: A handbook on Poultry Farming and Duck Breeding. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

this place average 32 lakhs of rupees and imports amount to about Rs 10 lakhs The sea-borne trade however is coastal Uran does little foreign trade The principal imports are Gunny bags, coloured piecegoods rice, sesamum oil, manufactured goods, kerosene oil, sugar, Rs 1,03,628 and manufactured goods The chief exports are salt, bricks, tiles and paddy

REWDANDA—It is an import port in Kolaba, handling considerable coasting traffic It imports among others the following articles Coloured, printed or dyed piecegoods, etc, sesamum oil, chilies, sugar pulses, flour, petroleum kerosene, copra, gunny bags, manufactured goods The principal exports of the port during the same period consisted of —Fish, coconuts, paddy, cleaned rice, copper wrought, betelnuts, teak wood and timber, firewood manufactured goods

The chief exports of the district are rice, salt, firewood grass, timber, vegetables fruit and dried fish, and the imports consist of Malabar teak, brass pots dates grains, piecegoods oil, butter, garlic, potatoes, turmeric, sugar and molasses

NASIK DISTRICT

The whole of the district with a few exceptions in the west, lies on a table land and the general elevation is about 1,500 ft above the sea level The climate of Nasik town and the whole of the western part of the district is the best in the province, though it varies in different parts Average annual rainfall is about 29' at Nasik town and 133 at Igatpuri Its area is 5,850 sq miles and population 1,015,521

Four classes of soils are met with here (1) the reddish black, mould along rivers, (2) a light black soil higher up, (3) brown soil, stiffer and shallower and (4) light brown or red the second is often not cultivated and manure is invariably used

The chief crops grown are the bajra, wheat (Southern Taluks), jowar, rice, nagli, kulish, gram and tur Linseed and khuvasin (niger seed) are largely ultivated Cotton and tobacco are grown in MALEGAON The garden products include guavas, potatoes, groundnuts and betel vine (in the Baglan Taluk), sugarcane and peas are sometimes raised

Area under crops in 1932-33 —Rice 69,000 acres, wheat 257,000 acres, jowar 131 000 acres, bajra 851,000 acres, marua 127,000 acres, maize 2 500 acres, gram 114,000 acres, other grains and pulses 238,000 acres, linseed 21,500 acres, sesamum 13,300 acres, rape and mustard 3,500 acres, groundnut 43,000 acres, total oil seeds 159 000 acres condiments and spices 9,600 acres sugarcane 6,300 acres, cotton 71 000 acres, other fibres 4,500 acres, dyes and tans 8,300 acres, fodder crops 161,000 acres, fruits and vegetables 21,000 acres, total 22,31,000 acres

Good building stone is found, cotton and silk goods are woven chiefly at YEOLA and sent to Bombay, Poona, Satara and Sholapur Silk industry is important, the centre of the industry being at MALEGAON, SINNAR and VENCHUR produce cotton cloth

NASIK (population 48,793) —The town is a place of great antiquity being associated with the name of Sri Ramchandra Copper, brass and silver vessels are manufactured at NASIK town and sent to Bombay, Poona, etc They are noted for make as well as for polish It has a workshop and several ginning and pressing factories

The chief articles of export are grains, oil seeds, molasses, cotton cloths and silk goods, sunn hemp, copper, brass and silver ware There is a prominent market at LASALGAON where large quantities of wheat are brought by merchants The garden products, onions, garlic and betel leaves are also largely exported The chief imports to Nasik are raw silk, cotton, thread, copper and grass, sugar, groceries and salt

Poultry Farming: A handbook on Poultry Farming and Duck Breeding Price As. 4. INDUSTRY BOOK DEPT, Shambazar, Calcutta

Weekly markets are held at every town and large villages The chief centres of local trade are IGATPURI (9,627), NASIK, LASALGAON, NANDGAON (9,540), MANMAD (12,263), and YEOLA (16,751) and PIMPALGAON, CHANDOR, MALEGAON (32,462), and SINNAR (10,773), situated on G. I P Rly and B B & C I Rlys

The chief interior traffic passes on carts, the district having 570 miles of road The chief railway lines are the north-east line of the G I P Rly and the Dhond-Manmad State Rly

PANCH MAHALS DISTRICT.

The district is a level tract of rice soil fringed with dense forest and rugged surface Its area is 1,006 sq miles with a population of 4,54,393

The alluvial, dull black and light soils are the common varieties of soils The chief crops grown are maize, bajra, rice, gram, sesamum, tur, etc The hills of Panch-Mahals contain iron, lead, manganese and mica

Area under crops in 1932 33 —Rice 99,000 acres, wheat 22,000 acres, barley 3,700 acres, jowar 18,000 acres, bajra 10,000 acres, marua 32 000 acres maize 127,000 acres, gram 62,000 acres, other grains and pulses 76,000 acres, sesamum 19,400 acres, castor seed 2,600 acres, groundnut 50,000 acres, total oil seeds 76,000 acres, condiments and spices 1,800 acres, cotton 28,000 acres, other fibres 10 600 acres, tobacco 1,100 acres, fodder crops 71 000 acres, fruits and vegetables 2,100 acres total 651,000 acres

The chief exports are grains, mohua timber, oil-seeds and forest produce The imports are (from Guzrat) salt, tobacco, coconuts, hardware, cloths and timber (from Barava and Binjali) At one time the district had a very flourishing trade

DOHAD is a granery B B & C I Railway crosses the district which has good roads connecting it with Guzrat The population of the town is 22,093

Other centres of trade are GODHRA (35,110), HALOL (5,394), KALOL (6,700) and JHALOD (3,521)

POONA DISTRICT

The POONA district is hilly and undulating being intercepted by a system of mountain ranges The climate is dry and invigorating and its heat is less oppressive than in the plains It has an area of 5,349 sq miles and has a population of 13,33 528

It is divided into dry crop land, water land and rice land The chief crops are bajra, jowar, rice, niger seeds, groundnuts, safflower, wheat, tur, math, kulith, mung, sugarcane, etc Fruits and vegetables grown are grapes, figs papayas, guavas, oranges etc

Area under crops in 1932-33 —Rice 88,000 acres, wheat 73,000 acres, jowar 1,024,000 acres, bajra 458,900 acres, marua 34,000 acres, gram 76,000 acres, other grains and pulses 129,000 acres, sesamum 2,700 acres, groundnut 23 000 acres, total oil seeds 53,000 acres, condiments and spices 12,300 acres sugarcane 10,000 acres, cotton 14,000 acres, other fibres 2,400 acres dyes and tans 87,000 acres, tobacco 1,400 acres, fodder crops 147,000 acres, fruits and vegetables 32,400 acres, total 2 215,000 acres

The chief industry is silk, coarse cotton and blanket weaving Toys, pugries, small clay figures, baskets, furs, etc are also manufactured The cotton and silk embroidered pugries of Poona have a wide reputation Poona's brass and silver-work is also well-known and has a good name

There are one cotton spinning and weaving mill, paper mills, flour mills and a brewery KIRKEE (population 16,302) has an arms and ammunition factory

India's Food Problem: A Popular handbook series. Price As 4.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

The exports are raw sugar, grains, cloths, vegetables, fruits, brass-ware and silk cloth The imports are rice, wheat, salt, copper and brass sheets Markets, fairs and village shops in talisils are the centres of trade

POONA (population 250,187) —Near Poona city good crops are raised by well-irrigation for the Bombay and Poona markets Vegetables form an important market garden crop near Poona, as also do grapes, figs, papayas, guavas, oranges, and other favourite fruits Among special crops, the grape-vine is occasionally grown in the vast garden land in the neighbourhood of the city

KARANJA —It is a port of some importance handling good coasting trade, though it does hardly any foreign trade The principal imports at this port are cotton manufactures, gunny bags, petroleum, kerosene, flour, coconuts, sesamum oil, coconut kernel, and pulses The chief exports are paddy, fodder, bran and pollard cleaned rice, salt, etc

Other centres of trade are BARAMATI (14,170), INDAPUR (7,045), JUNNER (8421) and LONAVALA (10,694)

The district has a good supply of metalled road (1,135 miles) and railway—(G I P and S M) and has connections by road with Nasik, Ahmednagar, Sholapur, Belgaum, Satara and Kolaba Districts

RATNAGIRI DISTRICT

The RATNAGIRI district (4,000 sq miles) has a population of 13,01,694 Neither wheat nor cotton is grown in the district There are however several coconut plantations Sunn hemp is sparsely grown by fishermen for making nets for their own use There are good rice lands which produce good crops and a second crop is also common in those fields, pulses and vegetables constituting the second crop Climate is on the whole fairly healthy, though rather moist and relaxing The rainfall which is abundant and comparatively regular averages 100 annually The agricultural crops reaped include karik, nagli as second crops, rice kulith, and pulses Niger seeds, chillies, sunn hemp, coconuts and arecanuts are the other crops

Area under crops in 1932-33 —Rice 298,000 acres, marua 194,000 acres, other grains and pulses 157,000 acres, linseed 1,500 acres, sesamum 14,800 acres, coconuts 12,927 acres, total oil seeds 31,000 acres, condiments and spices 1,500 acres, other fibres 8,800 acres, fodder crops 86,000 acres, fruits and vegetables 9,000 acres, total 789,000 acres

Only in a few towns and villages saries and coarse woollen blankets are woven This district has a good trade with the adjoining countries Grains, cotton and sugar are brought from beyond the Ghats for export by bullock carts to the sea coasts Rice and arecanuts are also exported These bullock carts return again to the interior with loads of coconuts, salt and dried fish, piecegoods and stones The coast contains about thirteen small ports and harbours where steamers from Bombay call to carry these articles of trade, the steamers being the chief means of trade communication

CHIPLUN (population 13,056) —The trade of the place is also considerable Value of exports from the place averages about Rs 15 lakhs and value of imports averages about Rs 17 lakhs

DAPOLI —It is another centre though small and has a good trade in agricultural crops

HARNAI —The trade of the port is small but fishing is brisk here during season

JAIGARH is another port of smaller importance It exports about Rs 5 lakhs worth of molasses and firewood, and imports about Rs 7 lakhs worth of rice and salt

KHED VILLAGE —A good cart-road connects it with the port of Harnai and a brisk trade passes along that road

India's Food Problem: A Popular handbook series. Price As. 4
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA

MALVAN TOWN (population 29,817)—Iron ore of a very good quality is obtainable in the neighbourhood of the town

The chief imports of Indian produce and manufactures consist of dried fruits and vegetables, fresh fruits and vegetables, gram, pulse, paddy, cleaned rice, petroleum, kerosene oil, coconut, tea, coloured, printed or dyed piecegoods, etc Chief foreign stuff imported were sugar, dried fruits, kerosene oil The exports are dry salted fish, coconuts, fruits and vegetables, fresh fruits and vegetables, dried, raw hemp, gunny bags, and manufactured goods

MASURA (population 9,000) is one of the chief marts of Western India for agricultural products and coconuts

RAJAPUR (population 4,214)—Value of export and import of the place averages Rs 2 lakhs each A noteworthy feature of the place is its hot springs which are frequented as their waters cure rheumatism Skin diseases are also believed to be cured by their waters Fairs are held here twice a year and are visited by numerous people who make many purchases for their own use

RATNAGIRI TOWN (population 23,906)—It is the headquarter station of the district It stands facing the sea It has a fishery on the sea coast where sardines are trapped during January and February It imports salt, timber catechu, grains, and the value of these things averages about Rs 17 lakhs The exports chiefly consist of fuel, fish and bamboos from the adjoining forests and jungles and the value of these exports averages about Rs 7 lakhs Health of the town is generally good

SANSWESWAR TOWN has a good trade in grains, piece-goods, salt and fish, which are mostly exported A mela is held here during January and February, where many people assemble and make their purchases

VENGURLA TOWN ((population 20,158)—Once a military cantonment for Dharwar and Belgaum, Vengurla is a prospering and rising port Vengurla does hardly any foreign trade, but the exports from this place, which serves the adjoining country consist of coconut coir, molasses and cashew nuts, and the value of these articles averages Rs 16 lakhs The imports to this port are piecegoods, yarn, silk sugar and fish and the aggregate value averages about Rs 30 lakhs

The principal imports of VENGURLA consist of Fresh vegetables, dried fruits and vegetables, gram, pulses, rice, wheat, kerosene, coconut oil, piecegoods, etc

Exports of the port mainly consist of Myrobalans, coconuts, dried fruits and vegetables, coconut oil, cotton seed, sugar tobacco (unmanufactured), and manufactures of wood

VIJOYDRUG—The imports to the place average about Rs 2 lakhs and exports average about Rs 7 lakhs There is a good local industry The carpenters of the place make much admired and valued ornaments from Bison horns, which are largely imported here

BANKOT is an important port in the district The imports of Indian and foreign merchandise were valued at Rs 5 lakhs and Rs 18 lakhs respectively during 1930-31 The exports were valued at Rs 9 lakhs during the same year

JAITAPUR, a port, has a fairly considerable trade The imports and exports were valued at Rs 20 lakhs and Rs 4 lakhs, respectively, during 1930-31.

SATARA DISTRICT

The SATARA district lies within the Deccan trap area The climate in the various parts of the district depends upon height, distance from the sea, the temperature but on the whole it is moderate Average

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

annual rainfall is about 4" in SATARA town (population 26,379), but in some parts of the district it is as high as 300 inches Situated in the Central Division of the Presidency, it possesses an area of 4,825 sq miles and is peopled by 11,79,751 persons

The soil is red in the hills and black and light in the plains Black soil is found near the river banks and is fertile The crops grown are jowar, bajra, rice, wheat, mug and maths, sugar-cane and groundnuts in the Kistna Valley, chillies, cotton, potatoes, straw berries and tobacco are also cultivated Tobacco is an important crop in Satara

Area under crops in 1932-33 —Rice 63,000 acres, wheat 57,000 acres, barley 3,300 acres, jowar 570,000 acres, bajra 356,000 acres, marua 41,000 acres, maize 10,700 acres, gram 90,000 acres, other grains and pulses 229,000 acres, groundnut 178,000 acres total oilseeds 189,000, condiments and spices 31,500 acres, sugarcane 10,500 acres, cotton 16,000 acres, other fibres 5,500 acres, dyes and tans 31,000 acres, fodder crops 527,000 acres, fruits and vegetables 14,600 acres, total 2,252,000 acres

Jambul, gela and pesha are the trees, mango, jack fruit and guava are grown for their fruits Patches of bamboo sometimes occur There is also a cinchona plantation here Iron ore is found, manganese ore and lime stone also occur

Cotton spinning and weaving is the most important industry of the district Blankets are also woven Satara brass dishes are famous The chief exports are grain and oil seeds, blankets, coarse cotton cloth, chillies, gur and raw cotton The imports are cotton piecegoods, salt and hardware Trade is carried on with Poona and Belgaum by railroad, traffic is great, Satara having 433 miles of metalled and 284 miles of unmetalled road Weekly and bi-weekly markets are held at important villages and towns as MHASVAD, BELAVDI The trade centres are at WARI, SATARA, KARAD (population 14,479), TASGAON (population 11,011) and ISLAMPUR (population 10,737) S M Rly traverses the district

SHOLAPUR DISTRICT.

The SHOLAPUR district is generally flat or undulating except in the north of Barsi and west of Madha where there is a good deal of hilly ground The climate is on the whole healthy and agreeable and the average rainfall amounts to about 26" Its area is 5,441 sq miles and lies in the Central Division The population is 8,77,585

Three varieties of soils are met with in the district (1) black, (2) coarse grey, or (3) reddish, black is rare and is found on the banks of the rivers The chief crops grown are jowar, bajra (Slingola and Malsiras), wheat, tur, gram, math, kulith, oilseeds, chillies, cotton and sunn-hemp

Area under crops in 1932 33 —Rice 6,400 acres, wheat 31,000 acres, barley 1,300 acres, jowar 1,414,000 acres, bajra 157,000 acres, maize 7,400 acres, gram 44,000 acres, other grains and pulses 114,000 acres, linseed 2,600 acres, sesamum 7,600 acres, groundnut 103,000 acres, total oil seeds 126,000 acres, condiments and spices 8,900 acres, sugarcane 2,000 acres, cotton 62,000 acres, other fibres 11,200 acres, dyes and tans 105,000 acres, tobacco 11,300 acres; fodder crops 242,000 acres, fruits and vegetables 6,900 acres, total 2,344,000 acres

6 cotton mills have been opened at SHOLAPUR and are in a prosperous condition There are 3 in BARTI The district is not a fit place for tree growing which are therefore rare

Spinning, weaving and dyeing are the chief industries Silk saries and dhoties of Sholapur are famous Blankets are also woven Cotton

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

mills and ginning and pressing factories are situated in the district Oil presses and saltpetre manufactories also exist

The trade of the district is rapidly increasing The chief exports are cotton, oil, oilseeds, ghee, turmeric, and cotton cloth The imports are salt, piece-goods, yarns, gunny bags, iron ware, etc Trade is carried on in markets, fairs and village shops

SHOLAPUR CITY has a population of 144,654 and is situated in the centre of a large plain 1,800 ft above sea level It has a magnificent fort Cotton mills continue to thrive 24 per cent of the total population of Sholapur are employed in textile industries No other single industry in Sholapur employs over a thousand persons except industries of dress and toilet

The centres of internal trade are BARSI, SHOLAPUR CITY and PANDHARPUR besides VAIRAG, MADHA, MOHOL, KARMALA, AKLUJ, NATEPUTA and SANGELA The G I P Rly crosses it and meets the Madras Railways at Raichur Barsi is connected with G. I P Ry by a light railway Besides there are 567 miles of metalled and unmetalled road in Sholapur district

SURAT DISTRICT.

The SURAT district consists generally of a wild alluvial plain between the Dang hills and the sea coast Wild date trees grow here The climate varies with distance from the sea but is generally equable and temperate, average annual rainfall being about 40" Its area is 1,662 sq miles and the population is 9,08 580

The soil is more or less of an alluvial character (1) black, (2) light and (3) besar or medium Black is common in Opad taluka but the district has also two broad belts one along the sea coast, other through the Pardi and Chikhli taluka The crops grown include rice and jowar (staple), cotton (Tapti Valley), kodra, tur, val, wheat and bajra, castor seed (extensively cultivated in the South) and sugar cane

Area under crops in 1932 33—Rice 109,000 acres, wheat 11,000 acres, jowar 84,000 acres, bajra 5 000 acres, marua 9,000 acres, gram 2,300 acres, other grains and pulses 95,000 acres, sesamum 1,700 acres, castor seed 9,458 acres, groundnut 3,000 acres, condiments and spices 1,700 acres, sugarcane 2,300 acres, cotton 185 000 acres, other fibres 3 900 acres, tobacco 1,800 acres, fodder crops 298,000 acres, fruits and vegetables 7,200 acres, total 830,000 acres

The exports are grain, cotton, pulses, mohua fruit, timber and bamboos The imports are tobacco, cotton seed, iron, coconuts, and foreign goods The trade is carried on by railway and by the ships through BILLIMORIA

SURAT CITY is a municipality and contains a population of about 98,936 The trade guild of Surat is highly organised and is composed of the leading bankers and merchants Formerly the port of Surat stood at Suvali, 12 miles west of the city But the sea borne trade is now carried on in small country crafts which pass up the river to Surat The Railway Station is just on the out-skirts of the city, surrounded by a growing suburb

Of late the sea-borne trade of Surat has declined while the export trade is markedly decreasing This undermining of its commercial importance is doubtless due to the steady transfer of trade to Bombay The principal articles of export are agricultural produce and cotton, The land borne trade, however, has increased considerably in recent years This is due to opening up of railway communications with the surrounding countries The imports are valued at Rs 15 lakhs and exports at Rs 5 lakhs annually on the average

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INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

Surat is the centre of gold and silver thread making industry in the Bombay Presidency But the industry now suffers from the competition of cheap imitation thread imported from abroad Surat is famous for its brocades (worked with gold and silver flowers) on silk coarse and coloured cotton goods are woven, targets are made of rhinoceros hides weaving of silk and cotton goods forms the chief industry Eight cotton mills are situated here which produce fine fabrics Centres of trade are SURAT, BULSAR (population 19,481), BILLIMORIA and RANDER (population 12,344)

THANA DISTRICT.

The THANA district consists of a strip of low land and is crossed by hilly tracts and is elevated towards the east and the north-east. The climate is generally moist and unhealthy Average annual rainfall is 70" It is in the northern division of Bombay and comprises an area of 3,573 square miles The population is 8,35,942

Sweet and salt soils are the two main divisions sweet is either black or red, low-lying lands being most productive The chief crops are rice, ragi, vari, cereals, oilseeds, pulses and sunn hemp, gram or val It has large trade in forage with Bombay Vegetables and fruits are sent from gardens and orchards Fishery in the sea is important and productive The district is a source of fresh fish to the Bombay city Forest products are timber, fuels (firewood, charcoal), bamboos, karvi, ain and other barks and several leaves

Area under crops in 1932-33 —Rice 326,000 acres, marua 43,000 acres, gram 1,900 acres, other grains and pulses 42,000 acres, sesamum 1,200 acres, total oil seeds 6,600 acres, condiments and spices 2,000 acres, other fibres 1,900 acres, fodder crops 193,000 acres, fruits and vegetables 6600 acres, total 625,000 acres

There are many salt works, and making of salt is an important industry of the district besides agriculture

BHANDUP is a port with a considerable coastal trade Foreign trade is insignificant The imports include bricks, dry unsalted fish, paddy, kerosene and salt The exports are bricks and tiles, cleaned rice, liquors and gunny bags The exports from this port average Rs 20 lakhs annually and the imports Rs 10 lakhs annually

THANA (population 21,816), is the head quarter Station Other trade centres are BASSEIN (12,689), BHIVANDI (15,619), and KALRAN (26,291) BELAPUR is a port of some importance

The principal exports of the district are rice, salt, wood, lime and dried fish The imports are cotton cloth, gram, tobacco, coconuts, and molasses,

Canoes and sailing vessels along the sea coast and up the creeks are a ready means of communication The district is crossed by the B B and C I Ry in the north and in the eastern and western directions by G I P Rly

BOMBAY STATES.

The Indian States in the Bombay Presidency have already been enumerated on p 275 The States are peopled by 4,468,396 persons The premier of them is the Kolhapur State which stands on the river Warna The State is divided into 7 taluks and 3 mahals The area of the State is 3,217 sq miles, the population being 957,137 Oil seeds and tobacco are exported from the State Oil has been struck upon at a depth of about 75 feet near the Padmala Tank Another first class State in the Presidency is the State of Rajpipla with an area of about 1,517 sq miles and a population of 206,085 Rajpipla, the capital of the State, is connected by the Rajpipla State Rly (40 miles long) with Ankleshwar, B B & C I Rly

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MARKET PLACES OF SIND.

SIND formerly a part of the Bombay Presidency has been created into a new province since April 1, 1936 It comprises an area of about 50,000 sq miles and is peopled by 1,706,116 persons of which 1,241 065 are Muslims and 448 708 Hindus

The climate of Sind is generally uniform for all years with high temperature of 117°F in May and June and an average of over 100°F from March to October From October the temperature rapidly goes down to 30 deg in December and frost is expected Rainfall is usually negligible, being only about 5 inches, but in some years it is as heavy as 20 inches

In Sind, the soil is alluvial while in Guzrat black cotton and gardu soils are common

The peculiarity of the soil in Sind is that it is mostly composed of plastic clay which develops into rich mould in contact with water only The spring crop of the division is chiefly rabi, while the autumn crop is mainly kharif The rabi crops are wheat, barley, gram, oilseeds and vegetables, and the kharif crops consist of millets, bajra, jowar, rice, indigo, sunn hemp til, pulses and cotton

Sind division depends for its prosperity on the river Indus The soil is stiff and heavy and saturated with moisture during the rains, and the variety is known as "Sailabi" The land is rich and fertile, being made so by the large amount of silt which the Indus carries in its tortuous course and deposits over the surrounding country But rainfall in Sind is scanty and precarious, and the supplies in the Indus vary For about eight months of the year the Indus is comparatively a small river, flowing at a very low level and most of the lands, during this low period of supply, cannot take advantage of its waters which pass down the river into the Arabian sea and are wasted The Lloyd Barrage Scheme has put an end to this uncertainty of water supply and freed the country around from haphazard cultivation

The Lloyd Barrage and Canals Project is said to be the largest single Irrigation scheme undertaken in any part of India It includes the excavation of 6,166 miles of canal and involves an earthwork of 5,690 million cubic feet and the construction of 1,970 bridges and regulators The barrage across the river is a mile long and has 66 spans The whole scheme cost the huge sum of 20 crores of rupees Briefly it comprises of the construction of a Barrage across the Indus about three miles below the Lansdowne Bridge at Sukkur and the excavation of seven main canals with their branches, distributaries and water courses The Barrage is nearly a mile long, and has been built of a creamy white limestone excepting the arches which are of reinforced cement concrete

The Project is designed to secure

(1) Provision of assured Kharif supply for 298,000 acres in Khairpur territory, (2) Improvement in the conditions of supply for present inundation of Kharif extension of 1,510,000 acres, (3) Extension of Kharif irrigation by 684,000 acres, (4) Converting the present area of 525,000 acres to regular Rabi, and (5) Extension of Rabi irrigation by 2,658,000 acres

Cattle Breeding & Dairying: A hand book on keeping Cows. As. 4.
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Lloyd Barrage Canals:—Final figures with regard to the operation of the Lloyd Barrage Canals in the kharif season of 1934 35, the third kharif season of operation since the opening of the Lloyd Barrage, show that the kharif cultivation over the whole barrage area amounted to 16,24,994 acres, which represents 98 per cent of the acreage forecasted for the year under reference and 75 per cent of that anticipated after full development of the scheme has been attained

The total area of cotton cultivation during the season amounted to 6 76 lakh acres, compared with 5 76 lakh acres forecasted for the year Of this no less than 6 70 lakh acres was grown on the Rohri Canal and Eastern Nara systems The normal total pre-Barrage area of cotton cultivation for the whole of Sind amounted to 2 80 lakh acres only and the large increase already achieved is significant 5 06 lakhs acres under rice crops were irrigated by the canals under command of the Barrage Other kharif, mainly bajri and jowari, amounted to 4 14 lakhs acres and leguminous crops and garden cultivation accounted for the balance of kharif cultivation of the year

Cotton Growing in Sind —Vigorous steps are being taken by the Agricultural Department in Sind to encourage the cultivation of long staple cotton It is being impressed upon cultivators, that long staple varieties, fetch higher prices in the local markets and abroad To this end propaganda by way of lectures, demonstrations and magic lantern shows has been arranged for the education of villagers and zamindars in the cotton growing areas in the Thar and Parkar, Nawabshah, Hyderabad and Sukkur Districts The improvement of cottage industries generally is also the underlying object behind this policy, for the topics of propaganda cover not only cotton growing, picking, carding and spinning, but also weaving, bleaching, dyeing and finishing on scientific and up to-date lines

The rapid expansion of the acreage under cotton cultivation shows what may yet be achieved in Sind The estimated acreage under cotton in the Barrage areas as given in the Lloyd Barrage Project report, was expected to reach 634,000 acres in 1941 42, and a final cotton acreage of approximately 800,000 acres was forecast It might be pointed out, however, that the 1941 42 estimate has already been exceeded in the present year, 1934 35, and an ultimate acreage of one million acres under cotton in Sind, in the opinion of the Chief Agricultural Officer in Sind, is well within the bounds of possibility, upon full development of the Barrage areas, in thirty years' time

Maritime Trade —The figures for the foreign and coasting trade of the Sind Division comprising imports and exports for the last five years are given below —

	1930 31	1931 32	1932 33	1933 34	1934 35
Foreign Trade		(in lakhs of rupees)			
Imports	24 02	18 19	17 87	14 10	16 44
Exports	18 21	12 91	12 01	14 37	16 54
Coasting Trade					
Imports	10 61	11 35	8 76	8 09	8 60
Exports	5 06	6 69	6 03	5 84	7 88
Grand Total	57 90	49 14	44 67	42 39	49 46

Imports—The following table shows the principal imports in Sind during the five years ending 1932-33 and in 1933-34 —

	1930-31	1931 32	1932-33	1933-34	1934 35
		(in lakhs of rupees)			
Cotton manufactures	4 15	4 12	5 43	3 00	4 35
Sugar	2 65	1 24	93	63	43

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	1930-31	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees).			
Metals and ores	1,86	1,08	99	93	1,22
Machinery & millwork	1,16	1,39	1,13	1,27	1,02
Oils	1 79	1 46	89	92	93
Woollen mnfrs.	58	48	98	68	107
Provisions	64	36	30	31	33
Rubber mnfrs	59	58	39	38	40
Liquors	63	38	38	43	42
Hardware	36	29	33	32	36
Tobacco	26	12	6	2 3	1·5
Chemicals	29	29	31	32 2	33 5
Instruments	43	35	44	44	48
Paper & Pasteboard	22	21	26	22	26
Arms & Ammunitions	6	22	12	8	7
Apparel	13	13	11	12	11
Haberdashery	14	12	14	10	10
Fruits & vegetables	21	18	18	14	17
Cycles & accessories	13	12	14	15	19
Soap	12	11	12	13	12
Glass and glassware	14	12	9	11	13
Drugs and medicines	15	13	14	14	16
Artificial Silk	18	28	30	14	22
Drugs and medicines	15	13	14	14	16
Dyes and tans	12	10	9	12	16
Silk Manufactures	8	6	7	5	9
Paints, etc.	13	12	11	11	12
TOTAL	19 48	15 86	16 26	12 96	15 25

Exports:—The chief exports during the same period follow —

	1930-31	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees).			
Cotton, Raw	9 54	6 35	6 43	9 62	12,56
Wheat	1 91	12	1	1	8
Wool, Raw	1 43	1 79	75	1 13	84
Rapeseed	50	71	1 49	79	41
Skins, Raw	72	55	35	54	33
Rice not in the husk	75	52	40	21	25
Wheat flour	39	26	14	6	6
Hides, Raw	26	12	7	14	12
Bones	36	16	18	10	11
Silk, Raw	72	55	35	54	32
Pulses	7	5	10	8	13
Gram	9	10	22	20	16
Barley	1	16	11	—	9
Fish, dry salted	11	7	7	8	8
TOTAL	16,97	11 53	10 69	13 58	15 85

Maritime Trade:—The value of the entire maritime trade, amounted to Rs 49 crores in 1934-35 an increase of Rs 7 crores, or 17 per cent as compared with 1933-34, both imports and exports, foreign as well as coastwise, individually participating in the improvement This figure also compares favourably with the total values recorded in the two years previous to 1933-34, the increase over 1932-33 being 11 per cent. and that over 1931-32 being 1 per cent.

Foreign imports advanced by Rs 2,34 lakhs, or 17 per cent. Cotton piecegoods, the leading article, had the largest share, viz. Rs. 1,35 lakhs,

Vegetable Oil Industry. An up-to-date manual on oil milling & refining. Price Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

the major portion of the balance being accounted for by woollen piecegoods, artificial silk, silk manufactures, iron and steel, copper, motor cars, motor lorries, hardware, instruments, dyes and colours, paper and pasteboard, cycles and parts, provisions, glassware, chemicals and drugs and rubber manufactures Machinery, sugar, arms and ammunition and soap were, on the other hand, adversely affected Foreign exports were up by Rs 2,17 lakhs, or 15 per cent, a record shipment of cotton being the outstanding feature of the trade during the year The value of this commodity representing 76 per cent of the total value of the export trade of the Province appreciated by no less than Rs 2,94 lakhs Minor increases also occurred under barley, wheat, other sorts of pulse and rice, but greatly restricted markets for rapeseed, wool, raw hides and skins, gram and woollen carpets deprived the port of a good deal of the advantage gained

COASTING TRADE DURING 1934-35.

Imports:—Apparel Rs 96,000, Books Rs 47,000, Boots and shoes R 59,000, Bricks and tiles Rs 75,000, Building materials Rs 7,84,000, Candles Rs 48,000, Chemicals Rs 36,000, Coal Rs 10,24,000, Coir Rs 1,70,000, Cordage Rs 1,28,000, Drugs Rs 1,81,000, Turmeric Rs 3,98,000, Fresh coconuts Rs 2,58,000, other fruits Rs 6,12,000, Vegetables fresh Rs 5,18,000, Do dried Rs 2,42,000, Jowar and bajra Rs 66,000, Pulses Rs 1,08,000, Paddy Rs 7,59,000, Hardware Rs 5,08,000, Leather Rs 1,78,000, Matches Rs 8,26,000, Iron Rs 18,60,000, Petroleum Rs 75,87,000, Kerosene Rs 34,57,000, Lubricating oils Rs 8,39,000, Coconut oil Rs 10,31,000, Groundnut oil Rs 1,96,000, Cotton seed oil Rs 47,000, Paints and colours Rs 1,07,000 Paper and pasteboard Rs 1,62,000, Ghee Rs 2,29,000, Provisions Rs 7,44,000 Copra Rs 21,44,000, Groundnuts Rs 5,26,000 Betelnuts Rs 3,22,000, Cardamoms Rs 2,61,000, Chillies Rs 1,02,000, Ginger Rs 46,000, Pepper Rs 8,17,000, Molasses Rs 89,000, Tea Rs 6,05,000 Twist and yarn Rs 27,000, Piecegoods grey Rs 2,65,000, Do bleached Rs 5,72,000, Do coloured Rs 72,84,000, Other sorts Rs 1,88,000, Gunny bags Rs 41,83,000, Gunny cloth Rs 4,88,000, Rope and twine Rs 2,11,000 Wool raw Rs 74,000, Tobacco Rs 233,000, Cigarettes Rs 965,000, Teak wood Rs 19,02,000, Other timber Rs 89,000, Manufactured goods Rs 5,09,000, Total Indian Merchandise Rs 7,50,85,000, Foreign merchandise Rs 1,01,97,000

Exports:—Chemicals Rs 1,71,000, Drugs Rs 22,000, Fish dry unsalted Rs 4,40,000, Do salted Rs 1,80,000, Fish wet Rs 63,000, fodder Rs 9,18,000, Vegetables fresh Rs 4,78,000, Gram Rs 41,81,000, Jowar and bajra Rs 13,03,000, Pulses Rs 32,44,000, Rice Rs 13,27,000, Wheat Rs 1,59,26,000, Wheat flour Rs 76,62,000, Other grains and pulses Rs 27,10,000, Gums and resins Rs 3,84,000, Skins raw Rs 2,57,000, Other skins Rs 3,65,000, Iron Rs 42,000, Sesamum oil Rs 36,000, Paints and colours Rs 1,36,000, Salt Rs 12,06,000, Seeds essential Rs 88,000, Cotton seed Rs 35,98,000, Mustard Rs 1,29,000, Rape and mustard Rs 13,70,000, Sesamum Rs 4,95,000; Other seeds Rs 3,40,000, Cotton raw Rs 1,87,37,000 Piecegoods coloured Rs 2,86,000, Firewood Rs 64,000, total manufactured goods Rs 6,39,000, total Indian merchandise Rs 6,73,97,000, total foreign merchandise Rs 1,01,91,000

Coasting imports increased from Rs 8 08 lakhs to Rs 8,60 lakhs, and coasting exports from Rs 5,84 lakhs to Rs 7,88 lakhs, assisted to a great extent by a large demand for cotton by the Indian mills and the low coastal freights that prevailed during a considerable portion of the year

The **subordinate ports** in Sind are Keti Bandar, Sirganda Shahbandar Total value of the coastal trade during 1934 35 amounted to Rs 376 lakhs as against Rs 480 lakhs in 1933-34. Of the total trade

Vegetable Oil Industry. An up-to-date manual on oil milling & refining Price Re. 1-8 Industry Book Dept., Shambazar, Calcutta.

Keti Bandar was responsible for 67 per cent, Sirganda for 13 per cent and Shahbandar for 20 per cent Rice is the chief article of trade Ketibandar, Sirganda and Shahbundar respectively exported 165 tons, 587 tons and 648 tons of rice to Cutch Keti Bandar also exported firewood worth Rs. 36,109 to Kathiawar, Rs. 24,546 to Cutch and Rs. 1,267 to Karachi while Shahbandar sent Rs 3,778 worth to Kathiawar

An analysis of the coasting trade of Sind shows the following trends of trade

Imports:—Indian Merchandise—Cotton yarn was mainly imported from Bombay and Madras, piecegoods and cigarettes from Bombay, coal, iron, steel and gunny bags from Bengal, mineral oils and timber from Burma, copra from Madras and Travancore, groundnuts from Kathiawar, spices from Madras, Travancore and Bombay, matches from Burma, Bombay and Bengal Foreign merchandise—cotton yarn, piecegoods, and motor cars and lorries were mostly imported from Bombay

Exports:—Indian merchandise—Gram was exported to Madras, jowar and bajra to Kathiawar, Bombay and Cutch, pulse to Madras, Kathiawar and Cutch, rice to Cutch, French ports, Bombay, Kathiawar and Madras, wheat to Bengal (120,951 tons), Bombay (64,740 tons), Burma (8,742 tons), Cutch (5,248 tons), Madras (3,407 tons) and Kathiawar (1,975 tons), wheat flour to Madras, Bombay, Burma, Bengal and Kathiawar, salt to Bengal (83,311 tons), cotton to Bombay (18,542 tons), Madras (9,046 tons), Bengal (1,849 tons) and French ports (909 tons), fish dried and salted to Burma and Bombay, fodder to Bombay, Portuguese Ports, Madras, Cutch and Kathiawar Foreign Merchandise—Carriages and carts are exported to Bombay, dried fruits and cotton piecegoods to Bombay and Baluchisthan

RAIL AND RIVER BORNE TRADE DURING 1934-35.

Imports —Bones 113,000 mds, cement 459 000 mds, coal 64,67,000 mds, piecegoods, foreign 67,000 mds, do Indian 343,000 mds, fruits dried 154,000 mds, glass 29,000 mds, rice 58,000 mds, wheat 82,000 mds, wheat flour 244,000 mds, grains etc 431,000 mds, gunny bags and cloth 325,000 mds, iron and steel 931,000 mds, kerosene oil 259,000 mds, vegetable oils 2,05,000 mds, cotton seed 37,000 mds, groundnut 25,000 mds, rape 22,000 mds, sesame 51,000 mds, salt 3,37,000 mds, sugar 8,09,000 mds, gur 4,28,000 mds, tea 1,48,000 mds, tobacco raw 14,000 mds, teak 47,000 mds, other timber 6,55,000 mds

Exports:—Bones 109,000 mds, coal 13,08,000 mds, raw cotton 20,72,000 mds, fruits dried 3,59,000 mds, rice 30,37,000 mds, wheat 51,27,000 mds, wheat flour 91,000 mds, other grains 10,89,000 mds, hides raw 32,000 mds, skins raw 46,000 mds, iron and steel bars 3,46,000 mds, cotton seed 28,07,000 mds, rape and mustard 2,59,000 mds, sesamum 78,000 mds, ghee 26,000 mds, tobacco raw 24,000 mds, timber 60,000 mds, wool 90,000 mds

KARACHI.

KARACHI is the capital of Sind It is not only a seaport of Sind, but is the natural outlet and inlet for the trade of a hinterland stretching from Siestan to the United Provinces It also embraces Eastern and Southern Persia, Afghanistan, Beluchistan, vast wheat fields of the Punjab and all the principal trade centres of Northern India

Sind is an agricultural Province, as the rainfall is very slight and uncertain, the chief source of its water supply for irrigation depends upon the great river Indus There are about 150 lakhs of acres of a very fertile rice land, out of which the area at present under

USEFUL PHRASES: A HELPFUL COMPANION TO ALL. AS. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

cultivation is only 36 lakhs of acres—just only 12 per cent of the total area available

Population—In 1931 the population of Karachi was 265 565 or 224 per cent more than in 1921 The increase in the size of Karachi during the last 50 years has been phenomenal The population of Karachi city shows a marked degree of cosmopolitanism but differs very considerably in this respect from Bombay While in Bombay a minority of the population is home-born, in Karachi a majority of the population is home-born This makes it in character a city of a different kind from Bombay Karachi is essentially a trading town with an important entrepot trade At present it occupies the position midway between a city of the Bombay type and a town of the kind that Poona (city municipality) is to-day

Workers—There are in Karachi 281 male and 35 female workers per 1000 of the population The difference between Karachi and Bombay in this respect is very striking, and nothing could show more clearly the non industrial character of Karachi

Occupations—The main occupations are industry, transport and trade, in which 189, 122 and 172 respectively per 1000 of the workers are employed It will be seen that the ratio of workers under trade is nearly as high as the ratio of workers under industry This is in marked contrast to Bombay

Trade—The principal exports from the port are wheat, grains, oil-seeds, cotton wool, hides and bones The chief variety of wheat exported from Karachi falls commercially within the definition of "soft" wheat, but there are "hard" wheats also (red and yellow) which are grown in the Central India, these qualities find market in Marseilles and Italy for the manufacture of macaroni Indian barley, gram, and oil-seeds, which play a very prominent part in the world's markets, pass chiefly through Karachi in very large quantities

Karachi also plays a very prominent part in the export of wool, and as much as about one-third of the total export from India passes through Karachi The white wools of Sind, Guzrat and Kathiawar have a recognised commercial value, but much of the quantity enters from Afghanistan Bones and hides also are exported in large quantities from this port, and during and after the war Karachi has captured much of Calcutta's pre-war trade

During 1934-35 the imports of cotton from Sind amounted to 250,148 tons valued at Rs 12,56 lakhs Both Japan and the United Kingdom took record quantities, Japan taking 99,525 tons and the U K 44,483 tons The heavy decline in shipments to Germany was due to import restrictions introduced in that country

Industries—Industrially Karachi is not yet a great centre Its chief possessions are well-equipped modern flour mills and North-Western Railway workshops Various wool, cotton and hides presses flourish, and many engineering firms also pass very busy days in this city During 1935 there were 31 cotton ginning and pressing factories in operation

Small industries consist of soap making and glass work, trunk and despatch box manufacturing, fish supplying, motor works, tiles manufacturing, etc, etc

Though an exporter of oil-seeds, Karachi possesses only a few oil-mills and some small power driven plants

Salt is manufactured on a large scale at Mauripur Salt Works but the undertaking wholly belongs to Government The new salt industry of Karachi made further remarkable progress, shipments to Calcutta having expanded from 34,517 tons to 83,311 tons or by 141 per cent

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COASTING TRADE DURING 1934-35.

The following table gives figures of coasting trade of Karachi:—

	1930-31	1931-32	1932-33	1933-34	1934-35
	(in lakhs of rupees).				
Imports:					
Indian Produce	973	998	771	704	751
Foreign Merchandise	74	127	96	97	102
Govt. Stores	12	8	7	5	6
	10,60	11,34	8,74	8,07	8,59
Exports:					
Indian Produce	432	585	514	473	672
Foreign Merchandise	63	75	76	101	102
Govt. Stores	3	2	4	1	2
	5,00	6,65	5,97	5,81	7,77

The distribution of the coasting trade follows:—

	Imports		Exports	
	1933-34	1934-35	1933-34	1934-35
	(in lakhs of rupees).		(in lakhs of rupees).	
Bengal	65	94	61	143
Bombay	524	506	219	277
Madras	41	52	159	205
Burma	131	151	17	23
Kathiawar	23	30	50	74
Travancore	14	15	0 3	0 2

RAIL AND RIVER BORNE TRADE DURING 1934-35.

Exports:—Cement 66,000 mds; coal 120,000 mds; raw cotton 16,000 mds; twist and yarn 43,000 mds; piecegoods foreign 326,000 mds; do Indian 443,000 mds; fruits dried 282,000 mds; glass 122,000 mds; rice 72,000 mds; wheat flour 101,000 mds, other grains 166,000 mds; hemp 5,000 mds; gunny bags and cloth 416,000 mds; iron and steel bars and rods 20,94,000 mds; kerosene oil 18,22,000 mds; vegetable oils 313,000 mds; groundnut 30,000 mds; salt 308,000 mds; Sugar 11,70,000 mds; tea 14,000 mds; teak 94,000 mds; other timber 114,000 mds.

Imports:—Bones 425,000 mds; cement 63,000 mds; coal 16,56,000 mds; cotton raw 68,93,000 mds; piecegoods 29,000 mds; fruits dried 166,000 mds; rice 13,33,000 mds; wheat 88,80,000 mds; wheat flour 235,000 mds; other grains 51,91,000 mds; hides raw 65,000 mds; skins raw 128,000 mds; iron and steel bars, etc. 2,48,000 mds; cotton seed 16,82,000 mds; rape seed 12,29,000 mds; sesame 1,58,000 mds; ghee 27,000 mds; saltpetre 62,000 mds; sugar 1,00,000 mds; timber 41,000 mds; wool raw 1,54,000 mds.

HYDERABAD DISTRICT.

Soil of HYDERABAD is hard and firm. Sandy soil and soil highly impregnated with salt are also common in the district. The district has a population of about 6,61,589, mostly agricultural in an area of about 8,291 sq. miles. The annual rainfall averages 5.7" and the climate varies greatly in the different parts of the district.

Area under crops in 1932-33:—Rice 267,000 acres; wheat 66,000 acres; jowar 9,000 acres; bajra 146,000 acres; other grains and pulses 7,000 acres; sesamum 2,200 acres; rape and mustard 4,000 acres; total oil seeds 26,000 acres; cotton 50,000 acres; tobacco 2,300 acres; fodder crops 6,500 acres; fruits and vegetables 11,300 acres; total 602,000 acres.

The district manufactures blankets, cotton cloths, rugs and metal works, all of which are of superior quality and are much in demand

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outside the district It still maintains its old pre eminence for lacquered work, and its glazed pottery and susi have a good name in the market There are 5 cotton pressing factories in the district

The chief imports into the district are cotton, sugar, spices and English made articles, via Karachi The district, being situated on the banks of the river Indus, has also a good fishery The fishes are all exported to the adjoining districts The chief exports of the district are cotton, wheat, millet and various oil seeds Goods are carried by rail and also by boats The health and climate of the district are on the whole good

HALA (population 7,304)—The local trade consists of grains, piece-goods, ghee, cotton and sugar The place is famous for its glazed pottery and tiles A largely attended fair is held twice a year

HYDERABAD CITY (population 96,021) is the centre of trade and other activities in Upper Sind It carries on fish trade with the adjoining districts and is a Railway junction connecting it with Agra, via Jodhpur and Jaipur This is the shortest route to Karachi from the wheat centres of U P This town manufactures ornamental silk, silver and gold, matches and lacquered ware

MOTIARI (population 6,692)—The local trade of the place includes grains, oilseeds, silk, piece-goods and sugar Annual fairs are held in September and October

TANDO ALAHYAR TOWN (population 5,146)—The local trade consists of sugar, ivory silk and cotton clothes cotton, oil seeds and grains Cotton is grown in the adjoining country and raw silk, metal pots and ivory are imported Cotton is pressed here The silk and ivory manufacturers form the chief industries of the place

TANDO-MUHAMMAD-KHAN (population 6626)—The local trade consists of rice and other grains silk, metal, tobacco, dyes saddle cloths, mattings and drugs There is also a transit trade in rice, jowar, bajra and tobacco This town manufactures copper and iron vessels, earthen wares, silk thread blanket, cotton cloth shoes, country liquor and articles of wood

KARACHI DISTRICT

The KARACHI district comprises the delta of the Indus proper and contains a population of 6,49,467 The land is cultivated by irrigation from wells, tanks and artificial canals

The chief agricultural crops of the district are jowar, bajra, barley and sugarcane which are produced here in abundance Rice forms the staple crop of the place but wheat, cotton, sugar-cane millet and tobacco are also grown

Area under crops in 1932-33 —Rice 209 000 acres, wheat 9 000 acres, barley 11,000 acres, jowar 17,000 acres, bajra 16,000 acres, other grains and pulses 20 000 acres, sesamum 7 000 acres, rape and mustard 19,000 acres, total oil seeds 26,000 acres, fodder crops 54 000 acres, fruits and vegetables 11,000 acres, total 378,000 acres

Its local manufactures are cotton cloth of a coarse variety from hand looms, silk scarves, carpets, rugs and metal and earthen wares Salt is also manufactured on the sea coast by artificial means from the salt sea water There are five cotton pressing factories in the district.

Exports from the district consist of wheat (brought from the Punjab, U P. and the adjoining districts), cotton (also coming from those places), wool, hides and skins The chief imports into the district via Karachi, one of the major and important ports, are sugar, kerosene oil, piece-goods, liquor and metals These articles are sent to up-country by rail and are mostly consumed at those places

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KETI BANDER (population 1,655)—The exports comprise grains, pulses, oil-seeds, wool, cotton, drugs, dyes, saltpetre, and fire wood The articles are chiefly sent to the coastal ports of Bombay and Madras and it also imports from these ports and those on the Persian Gulf, the articles of import include coconuts, cotton piece-goods, metals, sugar, spices, coir and shells Sea borne trade via Karachi also exists.

MANORA—An annual fair is held during March and many people assemble there to make their purchases of cattle and fancy goods

TATTA TOWN (population 9,635)—The road traffic of central and lower Sind passes through Tatta and is therefore an important centre of trade Its present trade consists of silk and cotton manufactures and grains and pulses Coarse cotton fabrics are also woven here, which are both plain and coloured The town imports cotton cloth, rice and sugar, and exports rice, ghee, glass, fruits, vegetables and wool The local trade is flourishing owing to increasing road traffic

This district is served by two main railway systems on both the banks of the Indus Besides, various steamer lines connect Karachi with Bombay outward through the Arabian sea and other ports and also inward by the important towns, but the Indus is not navigable for a considerable distance

LARKANA DISTRICT

The soil of LARKANA district is very fertile and is productive of many valuable crops It contains a population of 693,678 in an area of 5,091 sq miles Owing to its great fertility, this district is generally known as the "Garden of Sind"

The agricultural products consist of rice, wheat, jowar, pulses, sesamum, rapeseed, cotton, sugar tobacco, indigo and various sorts of fruits in large quantities Tamarisk which grows here in plenty and attains a fair size is much used by the inhabitants for firewood

Area under crops in 1932-33—Rice 242,000 acres, wheat 122,000 acres, jowar 93,000 acres, gram 83,000 acres, other grains and pulses 83,000 acres, sesamum 1,900 acres, rape and mustard 42,000 acres, total oil seeds 60,000 acres, tobacco 400 acres, fruits and vegetables 6,600 acres, total 643 000 acres

The manufactures of the district are coarse cotton cloth, carpets, rugs, mattings, salt, metal work, shoes, native saddles and other leather goods, dyeing is also an important industry of the district There are several rice mills and cleaning factories and they consume enormous quantity of paddy from the surrounding districts and the locality

The exports of the district comprise chiefly of grains of all sorts, wool, cotton and other agricultural products, viz, wheat, rice, pulses, etc, the imports into the district being chiefly English manufactured goods (piece-goods being prominent) Silk and fruits are also imported Communication is maintained by roads and railways, the North Western Railway running through the district from Naodero in the Rato Dero Taluk to Selwan

LARKANA (population 26,841) is thickly populated Local trade in metals, cloth and leather is important The town manufactures cloth of mixed cotton and silk Coarse cotton cloth, metal vessels and leather goods are also made here

BUBAK (population 3,002) is a centre of "Bhang" production which is cultivated under license and there is a central warehouse for storing these products here

SCHEVAN TOWN (population 5,795)—The local transit trade is in wheat and rice, and the local commerce is in cloth and grains The

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town manufactures carpets, coarse cotton cloth and pottery There was formerly a flourishing art of seal engraving which is now extinct

Other centres of trade are DADU (7,328), KAMIBAR (9,717) and RATO DERO (7,285)

NAWABSHAH DISTRICT

NAWABSHAH is peopled by 496,612 men The soil and crops of the district are similar to those mentioned in Sind

Area under crops in 1932-33 —Rice 1,900 acres, wheat 186,000 acres, barley 1,400 acres, jowar 82,000 acres, bajra 118,000 acres, gram 18,000 acres other grains and pulses 25,000 acres, sesamum 3,500 acres, rape and mustard 25,000 acres, total oil seeds 29,000 acres, cotton 97,000 acres, fodder crops 18,500 acres, fruits and vegetables 2,700 acres, total 582,000 acres

The district is not industrially big Cotton pressing is however done on a large scale, there being 3 factories in TANDO ADAM, 3 in NAWABSHAH, 2 in SHAHDADPUR and 1 in JHOL

The important centres of trade are TANDO ADAM (population 13,469), SAHADADPUR (population 8,847) and NAWABSHAH (population 7,023)

SUKKUR DISTRICT

The SUKKUR district has an area of 5403 sq miles and a population of 6,23,875 Sindhi, Urdu and Baluchi are the languages spoken here

Area under crops in 1932 33 —Rice 78,500 acres, wheat 172,000 acres, jowar 121,000 acres, bajra 21,000 acres, gram 102000 acres, other grains and pulses 41,000 acres, linseed 11,400 acres, sesamum 2,900 acres, rape and mustard 31,000 acres, total oil seeds 34,000 acres, tobacco 3,700 acres fodder crops 1 700 acres, fruits and vegetables 13,600 acres, total 59,000 acres

Among the industries of the district may be mentioned tassar silk, woollen goods, copper and brassware, wood carving boat building, etc There are 3 cotton pressing factories in the district

ROHRI TOWN (population 16,900) produces rich crops by proper irrigation It stands on the main line of the N W Rly The trade of the place consists of grains, oil, salt, fuller's earth, lime and fruits Tassar silk is manufactured here Communication is maintained by rail and road

SHIKARPUR (population 62,505) is situated on the strategic branch of the N W Rly line to Quetta It grows immense quantities of grains and pulses, and also fruits The roadway from Sind to Khorasan via the Bolan Pass runs through this town and it is therefore of much importance as a communicating centre It receives foreign piece-goods, raw silk, ivory, cochineal, sugar-candy, coconuts, metal, coarse cotton cloths, kinkhabs, kirani drugs of all sorts, various dyes, opium, fruits, antimony, gums and horses The articles chiefly come from Karachi, Marwar, Bhawalpur, Khairpur and Ludhiana The town exports indigo, senna metals of all kinds, coarse cloth, cane-sugar, opium, shields, groceries, hemp seeds, hoses, cloths and dry grain It manufactures carpets and coarse cotton cloth Shoes and baskets are also made as a jail industry by the prisoners It is a big town with enormous trade in country produce and dry fruits Besides the municipality there is a Hindoo Punchait in the town and there are more than half a dozen schools

SUKKUR (population 69,277) —Exports from this place comprise of silk and cotton cloths, raw cotton, wool, opium, saltpetre, sugar, dyes,

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brass and copper utensils The upward traffic includes piece-goods, metals, wines and spirits and country products The adjoining country is however not barren but contains several jungles from which firewood is also obtained Boat building is the chief industry of the place There is in its vicinity a low range of hills which are utterly devoid of vegetation and contain lime stone

GHOTKI TOWN (population 4,826)—Trade is chiefly in cereals Indigo and sugar cane are also grown here Wool is obtainable here in large quantities The Lohars or the blacksmiths of Ghotki are famous for their metal work Wood carving and staining are among other local industries An annual fair is held here around the ancient mosque

THAR AND PARKAR DISTRICT.

This combined district lies on the border of the Thar desert in Rajputana and is mostly sandy It has an area of about 13,941 sq miles and its 47 lakhs of population speak Sindhi The soil of the district however is of light loam, which is intermediate between stiff clay and sand At any rate the soil is not barren and can produce rich crops under favourable conditions of water and nurture The chief crops grown are rice, wheat, bajra jowar, cotton, oilseeds, pulses fruits and vegetables Wild products include elephant grass, a kind of big grass from which hand fans are made Paban or lotus plant and various grasses from which ropes and mats are manufactured are grown on damp soil of the place

Area under crops in 1932-33 —Rice 80,000 acres, wheat 222,000 acres, jowar 12,500 acres, bajra 746,000 acres, gram 1,300 acres, other grains and pulses 3,500 acres, sesamum 2,700 acres, rape and mustard 1,800 acres, total oil seeds 9,700 acres, sugarcane 1,200 acres, cotton 195,000 acres, fodder crops 50,600 acres, fruits and vegetables 2,300 acres, total 1 326 000 acres

The manufactures of the district consist of woollen blankets and rugs Camel saddles and covers and coarse cotton cloth are also obtainable There are eight cotton cleaning and pressing factories and several rice mills here which consume the products of the districts Salt is also manufactured in the district on a small extent

The exports from this district consist of grain, wool, hides, fish, salt, soda and fan leaves (a kind of weed from which fine fans are made) The imports into the district consist of cotton, metals, dried fruits, dyes, piece goods silk, sugar candy and tobacco A fair is annually held in this district in the town of PITHORO in the month of September and several fairs are also held in various parts of the district which are also largely attended

MIRPUR KHAS (population 10,178)—The trade is in grains and cotton, which is the finest in the whole of Sind but is not obtainable in large quantities Piecegoods are also sold here The market sells vegetables for local consumption only It is a Rly Station on the Hyderabad branch of the Bikaner Ry and the headquarters of the district There an 3 cotton pressing factories in the town

MITHI TOWN—Local and transit trade consists of grains, cotton, cattle, camels, ghee, dyes, hides and skins, oils, piece-goods, sugar, tobacco and wool The trade however is not big

NAGAR PARKAR—The local manufactures consist of weaving and dyeing of cloths and there is a local trade in wool, grains, coconuts, piece-goods, hides and skins and metals Besides this there is a small transit trade in grains, camels, cattle, wool and ghee

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UMARKOT (population 3,841)—The chief occupations of the people of the place are agriculture and cattle breeding The town is practically situated in the desert There is a good local trade in grains, ghee, camels, cattle and tobacco There is also a good transit trade in cotton, metals, dyes, dried fruits, ghee, grains, oil, piecegoods wool and tobacco Coarse cloth is the only manufacture of the place There is also a temple of God Mahadeo where a largely attended annual fair is held in March

UPPER SIND FRONTIER DISTRICT.

The UPPER SIND district contains a population of about 2 9 lakhs Its area is about 2,690 sq miles and the languages spoken are Sindhi, Baluchi The principal crops of the district are rice, jowar, bajra, wheat, gram, sesamum and rape seed Very good melons are produced during summer and are much in demand in the whole of the Punjab and Sind The climate of the place is very hot and during the three cold months the temperature falls down to a low level

Large areas of the district are irrigated by canals and a small portion is irrigated by wells

Area under crops in 1932-33 —Rice 125,000 acres, wheat 80,000 acres, jowar 95,000 acres, bajra 48,000 acres, gram 138,000 acres, other grains and pulses 44,800 acres, sesamum 6,600 acres, rape and mustard 39,000 acres, total oil seeds 45,700 acres, fodder crops 2,600 acres, fruits and vegetables 3,400 acres, total 584,000 acres

Plain and embroidered shoes, woollen carpets, saddle bags, nose bags, ropes, grain bags, mats, baskets, fans and cotton cloths are among the local industries, dyeing and calico-printing are also carried on to a small extent

There is a local trade in jowar, bajra and til Greater part of these products is sent to the sea board Imports from beyond India, generally Central Asia and Afghanisthan, consist of wool, woollen apparel, manjit or madder, fruits, carpets and horses It exports to those countries, foreign and Indian piecegoods, leather, brass, copper, sugar and tea, generally to Baluchistan and Afghanisthan The cargo is generally carried by camels or by rail to Quetta, the district being traversed by the strategic branch of the N W Rly Ponies and asses are also used as beasts of burden

JACOBABAD (population 15,748)—It is a railway station of a branch of the N W Ry and the railway carries a considerable trade in grains, ghee and leather It is the headquarters of the district The heat of the place is extreme, reaching sometimes to as high a point as 126°F

Other taluks of the district are THUL, KASHMOR, SHAHDADPUR, and KANDKOT, all of which are centres of trade in the agricultural products

NEW CONSTITUTION IN SIND

Sind has been constituted into a new province on April 1, 1936 under a Governor, one year ahead of the introduction of provincial autonomy The Governor will be assisted during the transitional period by an Advisory Council of not more than 25 members The provisions of the existing Government of India Act will not apply in regard to the Legislature All Sind members disappear from the Bombay Council after April, 1936

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MARKET PLACES OF THE MADRAS PRESIDENCY.

THE Madras Presidency includes the western coastal plain south of Bombay, central tableland south of the Kistna and the eastern coastal plain south of Orissa The Presidency has an area of about 142,000 square miles and a population of 53,503,043 A portion of the Presidency, viz, less than half of the Vizagapatam district and two-thirds of the Ganjam district is amalgamated with the new province of Orissa, created from April 1, 1936

Soil, for the most part, in the Madras Presidency is not fertile excepting the deltas and the river margins, black cotton soil being the most characteristic feature of the Presidency The country is generally divided into dry, i e non irrigated and wet, i e, irrigated lands Tillage is also superficial owing to comparative roughness and hardness of the soil and the implements used are simple The climate is free from extremes and the rainfall is generally plentiful

Live-stock—The chief breeds of cattle are Nellore and Mysore Buffaloes are also met with in Bellary, Nilgiris and Vizagapatam Sheep are numerous but are uncared for, so are pigs and poultry, and the products of stock, e g, manure (dung), milk, wool, hair, hides and skins, meat and bones form an immense addition to the income of the agriculturists Cattle fairs and weekly markets in the South are special features of the Southern Madras Sea fishery and tank fishery also employ a large number of people

Crops.—The most important crops are rice and millets The former is produced on the deltas and along the coastal strip while the latter and pulses in the dry districts The area under crops in 1933-34 was — Rice 11 7 million acres, barley 2,000 acres, sugarcane 122,000 acres, tea 75,000 acres, cotton 2,175,000 acres, sesamum 836,000 acres, castor seed 305,000 acres groundnut 3,779,000 acres, coffee 40 100 acres, rubber 11,000 acres, jowar 4 4 million acres, bajra 2 6 million acres, maize 108,000 acres, gram 102,000 acres, tobacco 218,000 acres indigo 30,000 acres Tea, coffee and cinchona are grown on the lower slopes of the hills, spices and condiments in the extreme south and coconut along the coast Rubber trees are reared on the Nilgiris Indigo (30,000 acres) is grown and Madras is now the biggest producer of that crop, contributing about 75% of the whole yield Vegetables of all kinds are cultivated annually. About 72% of the people are engaged in agriculture including cattle breeders, labourers, etc The lands are irrigated by canals, receiving water from dams on the hills

Total area sown in the Presidency is 39,164,000 acres The districts where the various crops grow most are Rice—Ganjam, Tanjore, Malabar, Chingleput, Cholam—Bellary, Kurnool, Coimbatore, Nellore, Cambu—Coimbatore, Trichinopoly, Vizagapatam, Guntur, Ragi—Vizagapatam, Salem, Ganjam, Coimbatore, Maize—Guntur, Gram—Kurnool, Pulses—Anantapur, Bellary, Kurnool, Vizagapatam, Sesamum —East Godavari, Ganjam, Salem, Trichinopoly, Groundnut—S Arcot, Kurnool, Guntur, Bellary, Anantapur, Coconut—East Godavary, Malabar, S Kanara, Tanjore, Condiments and Spices—Guntur, Malabar, Vizagapatam, Cotton—Bellary, Tinnevelly, Coimbatore, Ramnad, Indigo

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—Nellore, South Arcot, Tea—Coimbatore, Malabar, Nilgiris, Tobacco—Guntur, Coimbatore, Vizagapatam, Fruits and vegetables—Malabar, Vizagapatam, Ramnad

Forests clothed with teak, ebony and sandalwood are situated in the west and south of the Presidency There are also forests in the E Ghat and teak plantations of Nilanbur in Malabar These forests are all protected

Minerals:—Manganese, salt, saltpetre and building materials, i e, clay, granite, laterite, limestone, and stone are the chief minerals found Coal of inferior quality is also found Iron is abundant in the Salem district but is not worked on a large scale due to the absence of abundant coal supplies Mica is obtained in large quantities in the district of Nellore and the Nilgiris while deposits of manganese occur at Bellary, Vizagapatam and Cuddapah Magnesite is mined at Salem Gold in river beds and the gold fields of Mysore are scattered in N Arcot, Graphite, corundum and diamonds are also met with

Industries:—Weaving of silk and cotton is an important industry being generally exported to the colonies where Indian labour immigrate Coloured lungis and saries are made both for internal consumption and export Block printing on cotton cloth is a side industry Tanjore, Madura, Kuttalam, Karnal, Kampti, Adoni, Arni, Tuni, Cocanada, Pidupuram, Pithapuram, Salem, Coimbatore are the centres where saries of good quality are made and have not yet been ousted by foreign manufactures except by artificial silk which is gaining ground These are in good demand as also the muslins of Chicacole and Arni Madura supplies Bengal with fine cloths and there is a dyeing factory at Madura Woollen carpets are made at Ellore Mushipatam, Ayyampatai Ornamental brass and bronze work were formerly made Tanjore is the centre of metal work, and silver, brass and copper wares are made here Vellore, Ganjam, Madura, Kurumbalur, Travancore and Vizagapatam are also centres of metal work The latter also produces ivory and Vizagapatam is famous for fine ivory work Lacquered ware of Kurnool is the finest in India Trichinopoly makes models of temples, and earthenwares are made everywhere Mats of Tinnevelly and Palaghat are famous Cheroots and cigars are manufactured in Trichinopoly and Dindigul Every cotton growing area possesses cotton presses

The Madras Presidency comprises many districts growing good stapled cotton and most of the cotton centres are within easy reach of Madras At the present time by far the greater part of this cotton is sent to Bombay and other places in Northern India for consumption by the mills there or exported to Europe and Japan Madras is situated in a central position and the presidency is one of the largest consumers of yarn There seems to be ample room here for several new cotton mills

Factories:—The number of factories on the register at the end of the year 1934 was 1,685, an increase of 1 8 per cent Of these, 1,553 were in commission during the year as against 1,503 in 1933, the remaining 132 being closed for various reasons Of the 1,553 factories in commission 720 were perennial and 833 seasonal The average daily number of operatives employed in factories during the year was 146,779 as against 137,775 in 1933

There are 36 cotton mills with 976,000 spindles and 6,000 looms, employing 42,692 persons daily on the average, 4 jute mills and 12 hosiery mills There are 323 rice mills employing 10,000 hands Besides there are 58 bricks and tiles factories, 10 saw mills, 8 bone mills, 64 engineering workshops, 14 leather factories and tanneries, 15 coffee works, 73 tea factories, 422 cotton ginning and pressing factories There is a Government cinchona plantation and factory

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Fisheries:—Recent investigations have enabled the Fisheries Department to locate six new chank beds in Pulk Bay The researches revealed the occurrence of hilsa fisheries at sea regularly in the months in which they disappear from the rivers

Trade:—Half of the maritime trade is shared by Madras, Tuticorin, Calicut, Mangalore, Cocanada, Tellicherry, Negapatam, Cochin, Cuddalore, Dhanuskodi, Mangalore and Vizagapatam are the other ports There is internal trade with Mysore and the Nizam's Dominions

Transport:—The South Indian Railway and M S Railway cover about 4,000 miles There are about 22,000 miles of metalled roads and about 10,000 miles of unmetalled roads in the province The construction of some important major bridges over the Godavari, Kistna, Tungabhadra and Pannar rivers and several minor bridges, calculated to be in the neighbourhood of Rs 5 crores, is under project

Maritime Trade:—The following table shows the value of the sea borne and coasting trade of the Madras Presidency —

Foreign Trade. (Excluding Treasure)	1930 31	1931-32	1932 33	1933-34	1934-35
		(in lakhs of rupees)			
Imports	20 70	15 59	15 87	14 81	17 35
Exports	32 01	25 98	23 55	24 64	25 09
Re-exports	27	27	23	17	17
Coasting Trade. (Excluding Treasure)					
Imports					
Indian Merchandise	16 83	16 72	17 12	16 31	19 74
Foreign Merchandise	2 76	1,79	1 83	1 62	1 72
Exports					
Indian Merchandise	10 17	8 27	7 84	7 90	10 31
Foreign Merchandise	47	34	43	31	25

SEA-BORNE TRADE.

Imports:—The following table shows the chief imports into the Madras Presidency during the last five years —

	1930-31	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees)			
Metals & Ores	2 23	1 33	1 47	1 40	1 57
Cotton Manufactures	1 95	1 35	1 87	1 44	1 42
Machinery & Millwork	2 00	1 35	1 07	1 45	1 59
Oils	2 00	1 50	1 39	1 07	1 16
Sugar	1 29	1 24	62	56	43
Cotton Twist and Yarn	83	66	86	54	65
Motor Vehicles	1 09	52	47	70	79
Grain, flour, pulse	15	24	32	48	2,31
Spices	45	37	34	31	36
Hardware	61	38	41	41	42
Provisions	72	56	43	40	43
Instruments	41	35	41	38	45
Dyeing & Tannin substances	49	50	48	44	52
Paper & Pasteboard	52	42	44	42	42
Rubber	43	36	32	32	35
Silk, raw and manufactures	34	29	44	34	19
Chemicals	32	34	38	40	40
TOTAL	20,70	15 59	15,87	14,81	17,35

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Among the other imports during 1934-35 are artificial silk (Rs 34 lakhs), manures (Rs. 32 lakhs), tobacco (Rs 24 lakhs), drugs, etc (Rs 29 lakhs), soap (Rs 12 lakhs), stationery (Rs 12 lakhs), building and engineering materials (Rs 11 lakhs), liquor (Rs. 26 lakhs), glass and glassware (Rs 16 lakhs), tea chests (Rs 11 lakhs)

Exports—The following table shows the chief exports from the Madras Presidency during the last few years —

	1930 31	1931-32	1932-33	1933 34	1934 35
		(in lakhs of rupees)			
Oil Seeds	8 11	7 65	6 13	6 13	5 58
Leather	5 64	4 80	4 33	5 25	5 04
Tea	4 12	3 91	4 61	3 99	4 26
Cotton Mnfts (mainly coloured)	1 76	1 57	1 42	1 02	98
Cotton, Raw	1 64	73	70	1 11	1 74
Coffee	1 88	93	1 09	1 02	72
Grain, pulse & flour	1 90	96	90	82	85
Rubber, Raw and Manufactures	1 00	30	—	—	—
Spices	61	45	34	39	46
Coir, Raw and Manufactures	88	75	60	77	79
Fruits and Vegetables	62	75	51	73	85
Fish	44	36	29	29	30
Oilcakes	21	27	29	27	45
Tobacco, Raw and Manufactures	63	55	49	64	53
Hides and Skins, raw	34	28	16	24	10
Fibres for Brushes and Brooms	25	20	24	22	19
TOTAL	32 01	25 98	23 55	24 64	25 09

There was an increase in the total value of the import and export trade of the Madras Presidency by 9 per cent Imports of private merchandise from foreign countries increased by Rs 2,54 12 lakhs to Rs 17,35 12 lakhs or 17 per cent Imports of grain and pulse (chiefly broken rice), machinery and millwork, metals, cotton twist and yarn, motor cars, dyeing and tanning substances, instruments, apparatus and appliances, spices, artificial silk and manures showed considerable increases while cotton manufactures, sugar, paper, raw silk and manufactures, tobacco and soap showed decreases The continued increase in the imports of machinery and millwork, of which the total value was very large, was due to the great demand for them from several indigenous industries safeguarded by Government, such as paper, soap, sugar, stationery, metals, glassware and cotton goods

There were also some adverse conditions peculiar to Madras One particular phase of the trade which inflated the import figures, but greatly perturbed the agricultural population and the mercantile public was the sudden influx on an unprecedented scale from Siam and Indo-China into this Presidency of foreign rice, mostly consisting of broken rice It would not be difficult to realise the effect these imports had on the local rice trade when it is known that they exceeded by 37 6 per cent those of the preceding year It is satisfactory to note that soon after the expiry of the official year Government came to the rescue of the agricultural masses by the imposition of a duty of 12 annas per Indian maund on broken rice Subsequently imports of rice have shown a decline and it is not unlikely that the danger to the peasant population

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of this Presidency will be averted by this levy Imports of Burma rice have, however, been heavier than usual since the duty was imposed, but as there has been an increase side by side in the prices of South Indian rice it is expected that the position will appreciably improve in the year 1935-36

Exports of Indian produce under the head private merchandise rose by Rs 44 83 lakhs to Rs 25,09 05 lakhs or 2 per cent The figures of raw cotton, fruits and vegetables (chiefly cashew kernels), oilcakes and tea were on the increase, while those of seeds (chiefly groundnuts), leather, coffee, cotton manufactures, tobacco and hides and skins showed decline Shipments of gold fell from Rs 3,33,22 lakhs to Rs 1,06,54 lakhs

The price of staple articles showed increases in respect of betelnuts, metals and artificial silk piecegoods and decreases in sugar, rice, cotton piecegoods and oils In respect of exports, an appreciable rise in the prices of tanned hides and skins, raw cotton and hemp and a sharp decline in those of coffee cashew kernels, oil seeds, raw hides and skins and groundnuts were noticeable

COASTING TRADE DURING 1934-35.

Imports —Apparel Rs 52 000 books Rs 74,000, boots and shoes Rs 6,000, bricks and tiles Rs 44,000, building materials Rs 6,72,000, candles Rs 1,79,000, chemicals Rs 5 34,000, coal Rs 30,71,000, coffee Rs 2 80,000, drugs and medicines Rs 8,80,000, cutch Rs 75,000, fish dry salted Rs 45,000, fodder Rs 4,48,000, vegetables fresh Rs, 2,33,000, do dried Rs 6 88,000, gram Rs 45,78,000 jowar and bajra Rs 1,08,000, pulses Rs 1,44,34,000, paddy Rs 42,17,000, rice Rs 4 32,91,000, rice flour Rs 49,000, wheat Rs 9,50,000, wheat flour Rs 42,92,000, other grains Rs 14 50,000, gums and resins Rs 1,75,000, hardware and cutlery Rs 7,97,000, cow hides Rs 13 0000, other hides Rs 62,000, goat-skins Rs 11 19,000, other skins Rs 1,81,000, manures Rs 59,000, matches Rs 22,47,000, bran etc Rs 48,000, copper Rs 3,12,000, iron Rs 10,85,000, other metals Rs 2,91,000, petroleum Rs 1,88,05 000, kerosene oil Rs 2,28,65,000, lubricating oils Rs 11,23,000, linseed oil Rs 1,88,000, oil cakes Rs 87,000, paints and colours Rs 4,30,000, paper and pasteboard Rs 3,23,000, paraffin wax Rs 57,000, butter Rs 65,000, other provisions Rs 3,98,000, salt Rs 23,93,000, essential oil seeds Rs 34,11,000, cotton seed oil Rs 9,19,000, mustard oil Rs 1,50,000, rape oil Rs 5,61,000, sesamum oil Rs 45,22,000, other oils Rs 3,55,000, chillies Rs 15,21,000, ginger Rs 27,504, pepper Rs 67,034, sugar Rs 5,75,000 do below 16 Dutch standard Rs 1,69,000, tea Rs 4,56,000, cotton raw Rs 51,77,000, twist and yarn Rs 23,04,000, piecegoods grey Rs 1,13,21,000, do bleached Rs 17,50,000, do coloured Rs 85,00,000, jute raw Rs 19,14,000, gunny bags Rs 19,46,000, gunny cloths Rs 3,66,000, rope and twist Rs 1,23,000, tobacco Rs 9,52,000, cigarettes Rs 1,59,000, other tobacco manufactures Rs 4,76,000, umbrellas Rs 99,000, teak Rs 52,39,000, other timbers Rs 3,30,000, manufactured goods Rs 15,76,000, total Indian merchandise Rs 19,11,91,000, do foreign merchandise Rs 1,65,67,000

Exports:—Apparel Rs 86,000, books Rs 1,02,000, bricks and tiles Rs 14,68,000, other building materials Rs 73,536, coffee Rs 8,47,000, coir Rs 27,05,000, cordage Rs 4,62,000, drugs and medicines Rs 3,19,000, turmeric Rs 6,74,000, fish dry Rs 23,33,000, coconuts Rs 39,45,000, other fruits Rs 3,39,000, vegetables fresh Rs 9,54,000, do dried Rs 4,94,000, grain Rs 1,09,000, pulse Rs 1,48,000, rice Rs 1,93,000, hardware Rs 3,00,000, tanned leather Rs 9,00,000, matches Rs 2,04,000, mats and matting Rs 47,000, coconut oil Rs 27,55,000,

Trade Terms & Abbreviations: Unique collection alphabetically arranged. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

groundnut oil Rs 7,80,000, other oils Rs 89,190, oil cakes Rs 5,74,000, provisions Rs 9,15,000, salt Rs 2,28,000, copra Rs 5,74,000, groundnuts Rs 48,61,000, mustard Rs 41,000, betelnuts Rs 41,20,000, cardamoms Rs 14,29,000, chillies Rs 55,000, ginger Rs 4,06,000, pepper Rs 23,76,000, molasses Rs 1,24,000, tea Rs 17,09,000, cotton raw Rs 1,46,47,000, cotton waste Rs 5,04,000, twist and yarn Rs 1,38,15,000, piecegoods grey Rs 7,93,000, do bleached Rs 10,27,000, do printed Rs 83,50,000, jute raw Rs 3,04,000, gunny bags Rs 4,22,000, gunny cloth Rs 3,04,000, woollen manufactures Rs 75,000, tobacco Rs 5,68,000, cigarettes Rs 79,96,000, other tobacco manufactures Rs 2,37,000, umbrellas Rs 49,000, timber Rs 1,54,000, other timber Rs 8,76,000, ornamental wood Rs 5,37,000, manufactures of wood Rs 1,22,000, manufactured goods Rs 23,01,000, total Indian merchandise Rs 9,66,33,000, do foreign merchandise Rs 17,60,406

An analysis of the coasting trade of the Presidency with provinces of Burma, Bombay, Bengal and Sind and with Madras Port shows the following direction of trade

Burma:—Trade between Madras and Burma increased by Rs 295 lakhs to Rs 1258 lakhs Imports consisted of rice and paddy (Rs 464 lakhs), kerosene oil (Rs 219 lakhs), petrol (Rs 187 lakhs), matches (Rs 18 14 lakhs) Exports to Burma showed increases chiefly under fish groundnut seed, coloured piecegoods and cigarettes

Bombay:—Value of the total trade with ports in Bombay amounted to Rs 971 lakhs of which imports stood at R 623 lakhs Main imports were Pulses (Rs 72 lakhs), sesame (Rs 29 48 lakhs), Exports—groundnut seed (Rs 6 lakhs), betelnuts (Rs 26 lakhs) pepper (Rs 10 lakhs), raw cotton (Rs 112 lakhs), coconuts (Rs 33 50 lakhs), black tea

Bengal:—Imports from Bengal amounted to Rs 204 46 lakhs and exports to Rs 304 42 lakhs Among imports coal (Rs 30,44,000), dried fruits (Rs 3,46,000), chillies (Rs 9,19,000), tobacco (Rs 6,35,000), jute raw (Rs 19,14,000) Among exports, coir (Rs 7,92,000), groundnut oil (Rs 4,48,000), groundnut (Rs 23,47,000), pepper (Rs 8,99,000), cotton twist and yarn (Rs 1,19,24,000)

Sind:—Imports from Sind amounted to Rs 206 95 lakhs and exports to Sind Rs 47 83 lakhs Imports—Pulse (Rs 27,95,000), rice (Rs 3,04,000), raw cotton (Rs 48,76,000), wheat flour (Rs 41,50,000) Exports—Turmeric (Rs 3,09,000) and pepper (Rs 2,32,000)

Madras Port:—Imports from the Madras Port amounted to Rs 68,44,000 and exports to that Port to Rs 72,30,000

RAIL BORNE TRADE DURING 1934-35

The following figures show the nature of rail-borne trade during 1934 35

Imports (in 1,000 mds)—Bones (48), cement (812), coal (20,972), coffee (95), cotton (216), cotton twist and yarn (393), piecegoods foreign (126), do Indian (329), dried fruits (323), glass (117), paddy (2,731), rice (7,979), wheat flour (431), wheat (309), other grains (6,609), hides raw (194), skins raw (234), leather (30), jute (406), gunny bags and cloth (414), iron and steel (2012), oilcakes (295), kerosene (2,570), vegetable oils (4,81), castor seed (30), cotton seed (837), groundnut (175), rape seed (100), salt (3,255), sugar (570), gur (111), tea (32), tobacco raw (53), teak (572), other timber (1,068), raw wool (6)

Exports (in 1,000 mds) —Bones (147), cement (219), coal (774), cotton (1,525), twist and yarn (446), piecegoods (206), myrobalans (77), fruits dried (4,781), paddy (225), rice (5,091), grains (567), hemp (135), hides raw (26), skins raw (80), tanned leather (325), gunny bags and cloth (418), iron and steel bars, etc (451), oil cakes (1,457), kerosene

Trade Terms & Abbreviations: Unique collection alphabetically arranged. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

oil (271), vegetable oils (522), castor seed (131), groundnut (7,421), linseed (14), rape and mustard (71), sesamum (118), ghee (132), salt (1427), sugar (247), gur (835), tea (345), tobacco (883), teak (43), other timber (704), wool (44)

There was a phenomenal increase in rice imports, the total imports during the year being 175,252 tons as against 68,366 tons during the previous year Of this quantity, 89,053 tons came from Burma, 71,684 tons from Siam, 10,736 tons from Haiphong, 2,650 tons from Calcutta The imports of other food-grains including pulses and flour declined from 59,444 tons to 40,994 tons

The value of the total trade of the Port of Madras on private account as furnished by the Collector of Customs, representing 39 per cent of the aggregate trade of the Presidency as against 41 per cent in the previous year, amounted to Rs 29,25 lakhs or an increase of Rs 2 00 05 lakhs as compared with the previous year

Imports accounted for Rs 17,84 65 lakhs and exports Rs 11,40 35 lakhs as against Rs 15,62 04 lakhs and Rs 11,62 91 lakhs, respectively in the previous year Foreign traffic (imports and exports combined) declined from Rs 20,89 01 lakhs to Rs 20,74 36 lakhs and coasting cargo increased from Rs 6 35 94 lakhs to Rs 8,50 64 lakhs These figures are exclusive of Government transactions

MADRAS CITY

The city of MADRAS has a population of 647,228 and is the third city in India in point of population and commercial importance It is the seat of a University It has a harbour and is the chief port of the Presidency Its trade has been affected by competition with Cochin and the French ports of Pondicherry and Karikal

Madras is connected by rail with the west coast and with Ceylon on the south Two main railway lines emerge from the town and penetrate into the interior The broad gauge Madras and South Mahratta Railways bring in and carry away the articles of merchandise into the interior There are also lines running to Bombay via the Hyderabad State and to Calcutta along the East Coast

There are three modern cotton mills and several oil mills, hides and skins are also treated here before being sent away by steamers to foreign countries Manufacture of cotton piecegoods is advancing apace

The chief manufactured articles exported from Madras may be said to be hides and skins and leather, in which Madras occupies the foremost place in India The hides and skins exported are chiefly what are known in the market as "half tans," which are largely in demand by European manufacturers for further tanning and manufacture into pucca leather goods like boots and shoes leather bags, etc

Another article that is manufactured and exported is raw sugar (otherwise known as gur or jaggery) which is wanted by the manufacturers in the United Kingdom

The following are the chief industries of Madras —Aluminium industry, brick and tile-making, cement works, coffee curing, coir making, cotton dyeing, glass, jute, leather, manures, metals and precious stones, mines and minerals, oil and oil seeds, paper, pottery, rice, silk, soap, sugar sulphuric acid, tobacco wood and timber and wool Matches and glue (from tannery fleshings) are also manufactured The handicrafts are—Weaving, embroidery and lace-making, gold and silver thread, essential oil, palm sugar, carpentry, carpet weaving, wood carving, boat building and blanket making

Maritime Trade:—Foreign trade of the port during five years ending 1934-35 follow —

Sugar Making pays in these days Read Sugar in India Rs. 3-8.
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	1930-31	1931-32	1932-33	1933-34	1934-35
Foreign Trade			(in lakhs of Rs)		
Imports	15,58	11,49	11,99	11,19	12,04
Exports	12,84	11,18	8,64	9,70	8,70
Coasting Trade					
Imports	6,03	5,23	4,84	4,43	5,81
Exports	2,55	2,57	2,48	1,92	2,70
	37,00	30,46	27,95	27,25	29,25

ANANTAPUR DISTRICT

About 6,722 sq miles in area, ANANTAPUR has a population of 10,49,282 Languages spoken are Telugu and Kanarese Average rainfall is 22,06"

Rice, cholam, cumbu, korra and ragi are the principal cereals cultivated in the district, and castor, cotton and groundnut stand foremost among industrial crops

Area under crops in 1932-33 —Rice 103,006 acres, wheat 1,300 acres, jowar 271,000 acres, bajra 175,000 acres, marua 160,000 acres, gram 5,600 acres, other grains and pulses 859,000 acres, sesamum 37,500 acres, castor seed 82,000 acres, groundnut 344,000 acres, total oil seeds 478,000 acres, condiments and spices 20,700 acres, sugarcane 3,100 acres, other sugar bearing palms 11,700 acres, cotton 99,000 acres, fruits and vegetables 11,000 acres, total 21,44,000 acres

About 75 per cent of the population live by agriculture Weavers form 2 per cent of the total population while the industrial and commercial population is 16 per cent Village industries are rare A rough kind of blankets are woven in most of the taluks but those of BELUGUPPA and KARIGUNAPALLI of Kalyandrug taluk are superior PAMIDI produces parti-coloured fabrics and bangles are manufactured in many places of the district.

The headquarters of the district is ANANTAPUR It has a population of 15 099

DHARMAVARAM —The town has a rising weaving industry and manufactures both cotton and silk cloths specially saries for women and has a good daily market The place is noted for gingelly oil which is obtainable here in large quantities There is also an oil mill here

HINDUPUR —The town has a large and increasing trade in jaggery, piece-goods and grain

GUNTAKAL is a municipality with a population of 15,620

ARCOT (NORTH) DISTRICT.

Area 4,954 sq miles, population, 22,67,848, languages, Tamil and Telugu Climate dry and varied Average rainfall is 38"

Area under crops in 1932-33 —Rice 528,000 acres, jowar 58,000 acres; bajra 97,000 acres, marua 98,600 acres, other grains and pulses 5,800 acres condiments and spices 10 400 acres, sugarcane 9,000 acres, other sugar bearing palms 2,100 acres, indigo 5,100 acres, tobacco 1,700 acres fruits and vegetables 23,300 acres, total 1,427,000 acres

The district of ARCOT (14,232) was the ancient capital of the Carnatic rulers and is famous for its historic ruins ARKONAM is an important railway junction and VELLORE, a place of considerable trade, is famous for its ancient and picturesque fort GUDIYATTAM (24,688) situated on the Koundinya Nadu, a tributary of the Pallar, is another

Soil is red ferruginous and the crops raised are rice, ragi and cambu Varagu, cholam, sugarcane, gingelly, groundnut, ganja (under license on the Javadi hills) are also grown, the products being chiefly exported The trees are red sanders, which are chiefly used for making a costly

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red dye Teak, black-wood, sandal-wood are the other forest products good granite is met with

Cotton weaving, spinning and dyeing and silk cloth making at ARNI (17,446) constitute the chief industries Woollen carpets of a coarser quality are woven in jails There are brass works also At RANIPET leather from tanneries is very widely sold, chemical manures are also manufactured and mangoes and oranges, for which this district is famous, and grapes, which grow abundantly in TIRUPATTUR (18,299), are exported in large quantities Betel-leaves are another important article of export Other exports to the surrounding districts are rice, groundnut, hides, skins and horns, jaggery, tamarind, stone, and piecegoods to the surrounding districts The imports here are piecegoods, yarn, twist, salt, chillies, tobacco, unwrought brass, and iron The skin trade centre is at GUDIYATTAN The important marts are, VELLORE (population 57,265), TIRUVANNAMALAI (27,769), AMBUR (24,217), VANIYAMBADI (22,940), GUDALUR (17,612) and WALAJAPET where weekly markets are held

The Madras-Calicut trunk road runs from east to west along the Pallar touching all important towns situated on that river, but WANDIWASH and CHEYYAR taluks have no railway communication

ARCOT (SOUTH) DISTRICT.

SOUTH ARCOT is an open undulating plain with one range of hills, and has a population of 24,54,141 within an area of about 4,000 sq miles The rainfall is on an average 46" Tamil is the language spoken here

Paddy, cambu, rabi and varagu are the important food crops and the principal industrial crops are groundnut, oil seeds, indigo and sugarcane PANRUTI and VALAVANUR are chief centres of groundnut traffic

Area under crops in 1932-33 —Rice 627,000 acres, jowar 71,000 acres, bajra 92,000 acres, marua 86,000 acres, other grains and pulses 204,000 acres, sesamum 32,000 acres, castor seed 1,000 acres, groundnut 335,000 acres, coconuts 4,300 acres, total oil seeds 375,000 acres, condiments and spices 10,800 acres, sugarcane 10,200 acres other sugar bearing palms 1,300 acres, cotton 1,200 acres, other fibres 2,600 acres, indigo 7,900 acres, tobacco 1,600 acres, fruits and vegetables 21,700 acres, total 1,528,000 acres

There are distilleries at NELLIKUPPAM and the trade of the district centres round TIRUVEKNATUR in salt, jaggery, pottery, indigo and oils Cotton fabrics are manufactured here It is besides a maritime district and the chief trade centres or ports are CUDDALORE and PORTO NOVO of which the former has a great name and constitutes the headquarters of the district

There are 530 miles of metalled road and an equal number of miles of unmetalled road, and the opening up of the Villupuram-Trichinopoly Railway (now completed) has increased the importance of VILLUPURAM (population 20,127) as a railway junction 94 per cent of the population are Hindus and essentially agriculturists

CUDDALORE is an important port, exporting groundnut, oilcake, and coloured piecegoods and has a population of 59,057 Exports of groundnut during 1934-35 were valued at Rs. 90 lakhs. The following table shows the nature of the trade done at the port —

	1931-32	1932-33	1933-34	1934-35
	(in lakhs of rupees)			
Foreign Trade	1,19	1,23	98	1,47
Coasting Trade	24	28	17	36
TOTAL TRADE	1,43	1,51	1,14	1,83

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Principal imports (foreign) into this port are betel-nuts, sugar and exports consisted chiefly of groundnuts and lungis and saries The coasting trade consists chiefly of —Imports coal, pulse, flour, gunny bags and timber, Exports gram and groundnut

CHIDAMBARAM and TINDIVANAM are municipalities with a population of 25,084 and 18,856 respectively

PORTO NOVO is a port with a population of 13,762 The foreign trade during 1933-34 were valued at Rs 12 lakhs During 1934 35 the value of foreign trade amounted to Rs 5,46,000 Groundnuts were exported to the value of Rs 53,000 The coasting trade done at this port is however insignificant

BELLARY DISTRICT

The BELLARY district lies on the slope of the Deccan Plateau The annual rainfall averages about 24" Languages spoken in the district are Kanarese, Telugu and Hindustani The district occupies an area of 6 136 sq miles and has a population of 970,145

Cholam and korra constitute the town main food crops Pulses are also grown as a mixed crop Cotton is the only industrial crop of this district Sugarcane is grown mainly at HOSPET and is very paying

Area under crops in 1932 33 —Rice 37,000 acres, wheat 4,000 acres, jowar 637 000 acres, bajra 130,000 acres, marua 23 000 acres, gram 15 100 acres, other grains and pulses 866,000 acres, linseed 1,100 acres, sesamum 17 800 acres, castor seed 24 000 acres, groundnut 341,000 acres, coconuts 1,800 acres, total oil seeds 396 000 acres, condiments and spices 17 000 acres, sugarcane 7,800 acres cotton 455,000 acres, dyes and tans 1,800 acres, tobacco 1,100 acres, fruits and vegetables 6,700 acres, total 2 610 000 acres

Cotton and silk weaving are important industries throughout the district The centres of silk weaving are KAMPLI HAMPASAGARAM, ROYADRUG etc ADONI manufactures coloured cotton rugs which have a considerable sale Woollen blankets are woven at KUDLIGI and HARPANAHALLI Brasswares are made at HOSPET There are many cotton ginning factories in the district Manganese is mined greatly in the district There are about 5 mines

BELLARY (population 47,573) is the headquarters of the district, and is a cotton centre Mulberry trees are also grown here and silk is obtained from the cocoons There is a small distillery in the town besides two steam presses and a cotton mill (spinning)

ADONI (population 35,635) —It is a chief centre of cotton trade Cotton carpets and mats are also made here and a good trade exists in these articles

HOSPET (population 21 678) —It has a long street which is very important There is a tannery Chief trade of the place consists in jaggery (coarse sugar)

ROYADRUG (population 12,007) —It has several broad, regular streets, and many narrow and irregular lanes There is a tannery, and a good trade exists in silk fabrics and burugulu manufacture

YEMMIGANUR (population 10,911) —The chief industry of the place is cloth weaving, mixed silk weaving of cotton saries for women and it has a good trade in those articles

The chief trade of Bellary is with Bombay, Hyderabad and Mysore From Bombay it imports rice, turmeric, chillies, metal and metalwork, and exports to Bombay cereals, silk fabrics, cotton carpets, blankets, and jaggery Cattle, rice, timber and coconut are received from Mysore, and blankets, oilseeds and cotton stuffs are sent there Hyderabad receives from here cholam, jaggery, cotton and silk fabrics and sends out raw cotton chiefly.

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CHINGLEPUT DISTRICT

The district comprises an area of 3,071 sq miles and a population of 1,660,909 The roads in the district are well laid out The average rainfall is 45" and the climate is healthy The district lies on the coast of Bay of Bengal around the city of Madras

Area under crops in 1932 33 —Rice 725,000 acres, jowar 5,400 acres, bajra 14,000 acres, marua 74,000 acres, other grains and pulses 42,000 acres, sesamum 29,600 acres, groundnut 34,000 acres, coconuts 5,500 acres, total oil seeds 70 000 acres, condiments and spices 4 300 acres, other sugar bearing palms 1 900 acres, other fibres 1,400 acres, indigo 2,300 acres, fruits and vegetables 15,600 acres, total 982 000 acres

CHINGLEPUT (population 14,358) —It lies on the main line of the South Indian Railway The office of Revenue Divisional Officer and the Sub Collector, and the Courts of the District and Sessions Judge Sub judge and District Munsiff are all in this town

CONJEEVERAM (population 54 258) —The town is famous for cotton and silk weaving and its weaving population comes to 25 per cent of the whole population Umbrellas for temples are manufactured and sold all over Southern India It is an important trading centre exporting large quantities of cloth and paddy, and a favourite resort of Hindu pilgrims

POONAMALLEE (population 20,340) —It is a military station noted for flowers The trade of the place is restricted to articles that are of use to the soldiers

SEMBIYAM is a town with a population of 33,127

SAIDAPET (population 33,637) —Imports to this town consist of cotton piecegoods hardware and coal, and exports (in small quantity) of rice and groundnut There are a number of tanneries

TIRUVOTTIYUR (population 10,732) —The place is swampy and is notorious for its malarious climate Rice is largely grown here

UTTARAMERUR —A weekly market is held here, where rice grains foreign goods and cattle are sold

TIRUVALLUR (population 10 650) —Red handkerchiefs and cloths for Mahomedans are manufactured in the Sativavedu division and sent to Bangalore

WALAJABAD —This town is noted for tannery It exports rice and paddy A weekly market is held here and all sorts of articles and cattle are sold

SRIPERUMBUDUR —This is noted for a Vaishnavite temple It has a big lake

MADURANTAKAM —The town exports paddy and rice There is one high school and a big lake

COIMBATORE DISTRICT

The district has an area of 7,872 sq miles and a population of 2,219,848 The climate of Coimbatore is dry and healthy The average annual rainfall is about 25 inches

The crops grown are cholam, cambu, pulses, ragi, rice, cotton, sugarcane, tobacco, mulberry for silk worms

Area under crops in 1932-33 —Rice 117,000 acres, jowar 473,000 acres; bajra 376,000 acres, marua 169,000 acres, gram 5,100 acres, other grains and pulses 438,000 acres, sesamum 39,600 acres, castor seed 12,000 acres groundnut 167,000 acres, coconuts 10,300 acres, total oil seeds 229,000 acres, condiments and spices 25,700 acres, sugarcane 8,800 acres, cotton 326,000 acres, other fibres 1,400 acres, tea 25,000 acres, coffee 2,600 acres, tobacco 28,000 acres, fruits and vegetables 15,400 acres, total 22,561,000 acres

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This district has real forests, sandal and cutch forming a continuous belt Myrobalans are obtainable, soapnuts, honey, wax are also found here Cotton and silk weaving, making of carpets, which are sold locally are the chief industries, they are also sent to Madras, Bangalore and Mysore Trichinopoly, etc and are made at BHARAIN There are several cotton ginning and pressing factories and eight spinning and weaving mills, tile factories as well as several works for preparing coffee Silk industry is carried on in KOLLEGAL (population 13,849) There are tanneries and rice mills in this district and there is a good trade in hides and skins

The chief exports are cereals, pulses, chillies, turmeric, spices, cotton, oilseeds, tobacco, ghee, sandal wood, plantain, jaggery, brass and copper vessels, cattle and leather, and the chief imports are rice, salt, fish, piecegoods, yarn, metals metal wares and coconut oil (from Malabar)

The internal trade is conducted in numerous weekly markets, the most important centres of which are POLLACHI (population 22 112), TIRUPPUR (18,059), DHARAPURAM (18,218), UDUMALPET and COIMBATORE, ERODE is one of the important centres of the trade in Southern India and a big railway junction on the South Indian Railway The population of COIMBATORE is 95,198 and that of ERODE is 33,672 With nearly 188,000 looms, 14 refineries for refining saltpetre, and an industrial school for cabinet making, the district of Coimbatore is a place of some trade

The chief mineral products of Coimbatore is a place of some trade Toys of good workmanship representing fruits, penholders, jars, paper weights, etc are made and sold locally

CUDDAPAH DISTRICT.

The CUDDAPAH district has an area of 5 918 sq miles and a population of 949,982 Languages spoken here are Telugu and Hindustani

Area under crops in 1932 33 —Rice 74 000 acres jowar 271,000 acres, bajra 109,000 acres marua 73 000 acres, gram 2,400 acres other grains and pulses 219 000 acres, sesamum 4,000 acres, castor seed 13 000 acres groundnut 265 000 acres, total oil seeds 285 000 acres, condiments and spices 16,100 acres, other sugar bearing palms 1,100 acres, cotton 30,000 acres, indigo 9 700 acres, fruits and vegetables 22,200 acres, total 11,20,000 acres

The principal export is raw cotton The next include foodgrain (cholam) and egg, Cuddapah slabs, minor forest produce, indigo, turmeric and in recent years, groundnuts Locally grown turmeric finds a wide market in the provinces including northern and western India Groundnut generally finds its way to Madras or Pondicherry Local melons are sent, among other places, to Hyderabad, Bombay, Calcutta, Madras, etc A large quantity of asbestos is raised Barytes is also found

The chief items of imports are domestic requisites such as salt, kerosene oil, sugar, spice, rice, etc Foreign piece-goods and yarn are largely imported

The three principal trade centres in this district are, in order of their importance, PRODDATUR, CUDDAPAH and RAJAMPET Other important towns are JAMMALAMADAGU, BADVEL, NEMPALLI, KAMALAPURAM and ROYACHETI

CUDDAPAH (population 22,602) —It is not of much importance except that it is the headquarters of the district It is very hot

JAMMALAMADAGU (population 15,944) —It is a busy centre of trade It exports indigo and cotton, the chief products of the country Cloth is manufactured here on handlooms Here are made the turbans

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and carpets which are sent to the Central Provinces and the Bombay Presidency and find a ready sale The car festival of Narapuraswamy held in May continues for ten days and is attended by many people from surrounding village

MADANPALLE —The town with a population of about 16,000 is situated on a picturesque place The place is healthy A weekly market is held here and many agricultural products are offered for sale

PRODDATUR (population 20,154) —It produces cotton and there are two pressing factories here Brass, bell-metal and copper vessels are manufactured at VONIPENTA

PULLAMPET is reputed for its fine lace bordered cloths

GANJAM DISTRICT.

The GANJAM district has a population of 2,413,291 Climate along the coast is cool and healthy

The district is famous for the good quality of paddy grown Green gram and horse-gram are largely cultivated and ragi is grown three times a year, but gingelly and sugarcane form the only important industrial crops

Area under crops in 1932 33 —Rice 1,058,000 acres, jowar 21,000 acres, bajra 11,500 acres, marua 158,000 acres, maize 8,000 acres, gram 1,900 acres, other grains and pulses 313,000 acres, sesamum 44,100 acres, rape and mustard 6 300 acres, castor seed 5 400 acres, groundnut 52,000 acres, coconuts 8,600 acres, total oil seeds 123,000 acres, condiments and spices 21,400 acres, sugarcane 5,700 acres, cotton 1,100 acres, dyes and tans 700 acres, tobacco 3,300 acres, fruits and vegetables 40,200 acres, total 1,774,000 acres

A large area of the district is preserved as forest and the products include myrobalans, gall nuts and oranges Alum and some quantity of manganese ore are also found here A sugar factory, a saw mill and a tannery work at RUSSELKONDA and many rice mills exist at BERHAMPORE, PUNDI, PALASA TILARU and AHMADAVALASA

RAMGIRI —Timber and other hill products are exported from the taluka Excellent oranges are grown on the hill sides which are situated on the western part

GLOMSUR —This is the most suitable timber-growing area in the whole district Of the timbers obtainable, sal is the most important The land is very fertile and is irrigated by Rishikulya project Sugarcane is also grown here in the centre and south of the taluka

ASKA TAHSIL —Rice is widely cultivated and sugarcane is extensively grown in this taluk Sugarcane is treated in a Government factory at ASKA and made into sugar

BERHAMPORE (37,750) —It is the headquarters of the district It is the trading centre of the district The chief industry of the town is the weaving of fine silk and tassar-silk cloth of varied colours which are in brisk demand all over India and specially in the Madras Presidency Sugar is also manufactured here in considerable quantities Articles available here include jute, rice, coconut, betel leaf (for which it is famous), kulthi kalai, red pepper, turmeric, maize, tamarind, etc There are many factories for converting sea water into available salt

BARUVA —It is a growing seaport in the district

CALINGAPATAM —It is a port mainly doing coasting trade The exports include gram, pulse, myrobalans and turmeric The imports are haberdashery, glassware and gunny bags Exports of groundnut in 1934-35 were valued at Rs. 14,55,000

PARLAKIMEDI (population 20,072) —It is one of the chief towns in the district Fine mats and ornamental buckets are made here.

There is lot of money in Confectionery making. Read MANUFACTURE OF CONFECTIONERY, Re 1-8. Industry Book Depot.

MUKHALINGAM, a village in the district, is a place of pilgrimage Its industries include fine mats, fancy baskets, flower stands, cheroot cases, etc, from a species of reed The chief trade is in rice

CHICACOLE (16,588) —It is an important town in the district It is noted for the fine muslins and durable checks woven in the locality The muslins of Chicacole was at one time the rival of the Dacca product The industry suffered much from the machine-made fine cloth and the competitive price of these products But finer kinds of muslins are still obtainable from the weavers by arrangement

GANJAM —Its chief trade is in rice with Orissa

GOPALPUR —It is the chief port of the district The chief articles of export consist of grains, pulses, hides, timber, hemp, oilseed, and dried fish from the neighbouring countries The chief articles imported consist of sugar, piece-goods, apparel, jute manufacture, matches, kerosene oil, cotton twist, etc The place is healthy, and is resorted to by many health-seekers, both European and Indian

SRIKURMANU —It is a famous place of pilgrimage for Hindus The most important festival here is Dolotsava held annually in March, when about 20,000 pilgrims assemble

GODAVARI DISTRICT

The GODAVARI district has an area of 2,500 sq miles and a population of 3,142,197 Rainfall averages 40" Telugu, Hindustani and Yerikala are the languages spoken

Paddy is the principal crop and cholam is the other cereal most extensively grown in the delta taluks Other important crops are turmeric, sugarcane, betel, garlic, onions, plantains, arecanut, gingelly and castor

Area under crops in East Godavary in 1932-33 —Rice 653,000 acres, jowar 111,000 acres, bajra 44,000 acres, marua 28,000 acres, maize 4,200 acres, gram 5,300 acres, other grains and pulses 189 000 acres, sesamum 83,900 acres, castor seed 8,000 acres, coconuts 53,000 acres, total oil seeds 145,000 acres, condiments and spices 26,600 acres, sugarcane 7,500 acres, cotton 5,800 acres, other fibres 20,700 acres, tobacco 17,000 acres, fodder crops 17,000 acres, fruits and vegetables 47,900 acres, total 1,325,000 acres

Area under crops in West Godavary in 1932-33 —Rice 684,000 acres, jowar 67,000 acres, bajra 11,300 acres, marua 6,400 acres, maize 1,500 acres, gram 90,000 acres, other grains and pulses 70,000 acres, sesamum 78,000 acres, castor seed 7,600 acres, groundnut 3,800 acres, coconuts 9,100 acres, total oil seeds 98,000 acres, condiments and spices 13,400 acres, sugarcane 1,200 acres, other fibres 5,500 acres, tobacco 9,200 acres, fodder crops 7,000 acres, fruits and vegetables 25,000 acres, total 1,006,000 acres

RASOLE and AMALAPURAM are noted for coconut, arecanut and plantain gardens, and tobacco in RASOLE, RAMACHANDRAPURAM, RAJAHMUNDRY and AMALAPURAM (15,213), and sugar cane in RAMACHANDRAPURAM, COCANADA and PEDDAPURAM (population 17,338) are important among the industrial crops of the district, while, excepting the PITHAPURAM TALUK, gingelly has an extensive cultivation all throughout the district

PENUGONDA is a municipality with a population of 16,613 TUNI has a population of 11,567

BEDADANURU —It is the centre of a small coal field where the Barakar stage of standstone is found over an area of about 5½ sq miles This is the only coalfield lying entirely in the Madras Presidency

COCANADA (population 65,952) —The town is connected with the main line of the Railway by a branch line off SAMALKOTA and is a

There is lot of money in Confectionery making. Read MANUFACTURE OF CONFECTIONERY, Re. 1-8. Industry Book Depot.

sea port The vessels loading and unloading here have to anchor about 2/3 miles away into the sea, with which connection is made by feeders. The town and port is the most important centre in the Coromondel Coast. It is the chief port in the Madras Presidency for the export of rice, the receiving centre being Colombo, Mauritius, Coromondel and Malabar

Principal exports include raw cotton, groundnuts, rice and paddy (to Ceylon and Mauritius) the imports to the port are kerosene oil (from U S A), unrefined sugar (from Java), and metals (from U K) The port is managed by a Port Trust The exports of groundnuts during 1934-35 were valued at Rs 112 lakhs

	1931-32	1932 33	1933-34	1934-35
		(in lakhs of rupees)		
Foreign Trade	2,58	2,25	1,58	2,43
Coasting Trade	1,06	1,29	1,37	1,85
	3,64	3,54	2,95	4,28

PEDDAPURAM (population 13,000) —The place possesses a good weekly market in which all the agricultural products of the surrounding country are offered for sale

PITHAPURAM (16,151) —It is also a town of great importance There is a weekly market for selling the products of the neighbouring lands An important feature of the market is that cattle are sold here The bell-metal ware industry of the town is small but its condition is very encouraging

RAJAHMUNDRY (population 63,526) —Rajahmundry is the second important town of the district The surrounding country is very fertile and produces cotton for which it is a centre in the district The articles manufactured here include carpets, coarse woollen rugs, sandal and other woodwork There is a paper mill here The town contains a museum and a public garden The trade of the place is prosperous and includes agricultural crops besides those already mentioned

SAMALKOTA (population 1,8001) —There is a sugar refinery and distillery in the town absorbing the sugarcane crop and also molasses of the country around There is also a Government Experimental Agricultural Farm here

GUNTUR DISTRICT.

The district of GUNTUR has a population 2,037,131 and an area of 5,735 sq miles Languages spoken are Telugu and Hindustani

There are three irrigation canals—the Commamur, the Bank and the Nisampatam—which are also used for navigation purposes The Commamur canal, joining the Buckingham canal, establishes through communications between Bezwada and Madras The annual rainfall averages 34" The climate of the place is good

The district is fertile and has prospering industries Soil of the district is chiefly of the black cotton variety and produces cotton In the uplands the staple food crops are cholam, variga and cambu, but paddy is the main crop Of the industrial crops, cotton, tobacco and castor are important

Area under crops in 1932-33 —Rice 404,000 acres, jowar 377,000 acres, bajra 197,000 acres, marua 17,000 acres, maize 44,400 acres, gram 16,900 acres, other grains and pulses 457,000 acres, sesamum 1,100 acres; castor seed 36,700 acres, groundnut 313,000 acres, total oil seeds 357,000 acres, condiments and spices 92,500 acres, other sugar bearing palms 2,900 acres, cotton 83,400 acres, other fibres 49,000 acres, tobacco 111,000 acres, fodder crops 192,000 acres, fruits and vegetables 11,400 acres, total 24,18,000 acres

If you want to market Crops, learn Preliminary process from PREPARING CROPS FOR THE MARKET, Re. 1-8. Industry Press.

There is a jute mill, about 40 rice mills and one oil mill in the district besides five pressing and ginning factories

GUNTUR is a big town with a population of 65179 TENALI (34,580) is the chief centre of trade in paddy and BAPATALA is noted for its palmyra and spice plantations Tobacco factories of the district are growing in importance

CHIRALA (population 18853) —The surrounding country produces a rich crop of cotton while cotton weaving is a prosperous craft in the town proper Agricultural crops are also obtainable here in large quantities

MANGALGIRI (population 16911) —It is a hilly town There is a rock cut platform with a temple of Narasingha Thousands of Hindus flock there during the annual fair held during the full moon of March It is also a centre of weaving industry

ONGOLE (16,672) —It is a town of some importance The surrounding country is rich in alumina The trade of the place is chiefly in agricultural produce, hides and skins, etc

NARASARAOPET (15,403) —It is noted for its manufacture of iron camp furniture which are manufactured here on a large scale Fur blankets are manufactured in DRONADULA, a village in NARASARAOPET It is the centre for chillies and cotton traffic

PONNUR has a population of 11,101 and VETAPALEM (10,288) is another trade centre

KANARA SOUTH

The district has an area of 4,021 sq miles, and a population of 1372108 Languages spoken are Kanarese, Malayalam, Konkani, Marathi and Hindustani

Rice is cultivated on a large scale in the district It grows especially in field in the rainy season and the first crop will be ready in October Jeera rice is a good and fine quality of white rice Other cereals grown are urid, horsegram, beans etc

Area under crops in 1932 33 —Rice 588000 acres, marua 6,800 acres, other grains and pulses 46,000 acres, sesamum 2600 acres, coconuts 48,000 acres, total oil seeds 51,000 acres condiments and spices 16800 acres, sugarcane 3,600 acres tobacco 1,600 acres, fruits and vegetables 22,400 acres, total 756,000 acres

Jaggery industry is progressing especially at KULUR, ULLAL, KASARGODE and other places where sugarcane is largely grown The jaggery produced at the Western Ghats is used especially for sweetening coffee among the middle class and also among rich men Poorer classes use palmyra jaggery

Coconut grows abundantly in the district especially at KASARGODE, MANJUNADY, ULLAL, MALPE Oil is extracted from copra The oil extracted in the rainy season is a little dirty whereas that prepared in hot season is clear like water

Arecanuts or betel nuts, red and white, are largely grown in the villages Cashewnuts are largely grown on the hills along with the fuel trees The collection of nuts is done in March and April The fried nuts are largely sent to foreign countries and used for preparing macaroons, etc Chillies are largely grown at HAREKLL and in every village especially before the rainy season sets in They are also grown in the Ghauts and are lower in price than village grown chillies which are very hot Coffee is largely grown on the Ghauts of which there are several varieties The best one is "peaberry" Ginger, groundnuts, etc, are grown in several places Cardamoms, pepper, rampatri are grown especially in the Ghauts Kaolin is obtained deep in the hills at

If you want to market Crops, learn Preliminary process from PREPARING CROPS FOR THE MARKET, Re 1-8. Industry Press.

Mannagudde, and Jedigudde at Mangalore Excellent stones are dug at PADDAVU for the building construction

The chief industries of the district are toddy drawing and fish curing, tile and brick factories and pottery, coffee curing, weaving and fish curing, the tile and brick factories and pottery, coffee curing, weaving and coir making

Tobacco is largely grown on the sandy plains near the coast line especially at KUMBLA, KASARGODE, HOSDRUG, MOGRAL South Kanara is well-known for the manufacture of beedies and cigars

Tiles are manufactured at JEPPU, KUDROLLI on the bank of the Netravati river at MANGALORE There are two or more iron works, one at JEPPU and anothe at HAMPANKATTE Guns are manufactured in several places There are also about 50 bakeries Fishing industries go on all the year round and there are several fish oils and guano factories Fishes are dried, salted and exported to local areas for consumption during the rainy season Oils are also extracted and guano is manufactured and is sent to the Ghauts for improving the soils Brassware and potteries are manufactured at MANGALORE, button manufacturing industries are carried on at PUTTUR Mangalore acid-proof jars are manufactured near COONDAPOOR and are widely in demand Rope is made at MANJUNADY, ULLAL, and MALPE

MANGALORE (population 66,756) is a town of some importance and the chief port in the district, handling both foreign and coasting trade Mangalore's coasting trade consists chiefly of imports of coffee, fish, fruits and vegetables, gram, pulse, salt, rice, piecegoods, twist and yarn and exports of tiles, betelnuts, coir, coffee, cardamom pepper, copra and lungis The principal articles in its foreign trade include imports of cement, chemicals, drugs, fruits and vegetables, soap, manufactured good , hardware, and exports of tiles, coffee, fruits and vegetables, fish manures, raw rubber, cardamoms and pepper The following table illustrates the nature of the trade done at the port

	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees)		
Foreign Trade	1,07	1,12	1,22	1,09
Coasting Trade	1,35	1,50	1,47	1,64
Total Trade	2,43	2,61	2,70	2,73

COONDAPOOR—This is another port of some importance whose total coasting trade in 1929-30 amounted to Rs 27,94,000 of which imports claimed Rs 14,34,000 and exports, Rs 13,60,000 Imports of foreign produce include sugar, glassware, china-ware, chemicals, biscuits, peppermints, barley, liquors, wines, etc , safety pins, matches, pencils, nibs and paper

The other sea ports are BAINDUR, KASURAGOD, HANGARAKOTTA, MALPE, MUKTI

KASURAGOD and MALPE handle good coasting trade—the total value for KASURAGOD in 1929-30 amounted to imports of Rs 126,000 and exports of Rs 55,000, while that for MALPE for the same period amounted to Rs 1,962,000 (imports) and Rs 787,000 (exports) Foreign exports from MALPE amounted to Rs 72,238 in 1929-30

DHARAMSALA in Uppinangdi taluk, is a famous place of pilgrimage during Karthigai Festival of Thousand Lights Another famous place of pilgrimage is SUBRAMANIA during Shasti festival when there is an annual cattle fair here Six miles from PUTTUR there is a tank at IRDE whose water is always tepid It is stated to have considerable medicinal properties And a place worthy of visit is JAMALABAD (41

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miles from (Mangalore) where there is a fortress on a large rock 800 ft high It was built by Tipu Sultan and is now partially in ruins

KISTNA DISTRICT.

The KISTNA district is very fertile and produces rich agricultural crops It has a population of 1,253,887 Rainfall averages 37' The climate of the district, though trying at certain parts of the year, is on the whole good The staple food crop is rice which is of two kinds, white paddy, which is irrigated and transplanted, and black paddy, which grows with the help of rain alone

Area under crops in 1932-33 —Rice 583,000 acres, jowar 217,000 acres, bajra 38,000 acres, marua 95,000 acres, maize 19,000 acres, gram 7,100 acres, other grains and pulses 99,000 acres, sesamum 8,000 acres, castor seed 11,500 acres, groundnut 71,000 acres, total oil seeds 92,000 acres, condiments and spices 19 800 acres, other sugar bearing palms 2,300 acres, cotton 26,700 acres, other fibres 39,000 acres, tobacco 7,800 acres, fodder crops 70,000 acres, fruits and vegetables 5 300 acres, total 1,248,000 acres

The district has one jute mill, one sugar factory and about 120 rice mills The only industry of any importance is weaving Toy-making is carried on at KONDAPALLI and tanning is done in BEZWADA and ELLORE Lace making is a cottage industry in NARASAPUR (only 6 miles from the sea) and MASULIPATAM

BEZWADA (60,427) is a rising municipality and was for some time the seat of the Andhra University

ELLORE (population 35 000) —The grain trade of the place is noteworthy Cheap carpets of foreign design are made here and it has a good trade in them Finer qualities of carpets are also obtainable if previously advised There is a jute mill in the town The place is connected by canal with Godavari and Kistna rivers and attracts a good deal of trade

MASULIPATAM —It constitutes the headquarters of the Kistna district and has a population of 56,928 It is a seaport of some importance having both foreign and coasting trade The coasting trade in 1929-30 totalled Rs 6,17,000 of which imports were valued at Rs 5,58,000 and exports at Rs 59,000 The total figures for foreign trade of the port during the same period are given at Rs 6 91,231 of which exports amounted to Rs 5,78,703 and imports, Rs 1,12,528, and among foreign exports the principal articles were paddy (Rs 3 lakhs), and rice (Rs 2 4 lakhs) During 1934-35 groundnuts worth Rs 38 99 000 were exported in 1934-35

Printed cloth however is manufactured but the old palampores are no more to be seen It has got a tanning factory The trade, which is small, includes agricultural crops, hides and skins and cotton besides grains, pulses and groundnut

PALAKOLU —The town has a population of more than 14,000 The town is flourishing and is the chief mart of the Western delta The trade of the town consists chiefly in fruits, grain, yarn, etc It is a big trading centre connected by canals with Narasapur and Nidadavole

KURNOOL DISTRICT.

The district has a population of 1,025,372 in an area of 7,580 sq miles and Telugu and Hindustani are the languages mainly spoken The district has an average rainfall 26" and the climate is on the whole healthy

The main food crops of the district are cholam or cambu, and paddy, cotton, castor and tobacco are the important industrial crops A growingly favourite crop is the groundnut and chillies form an

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important crop under the canal, but sugarcane is confined to a small area under the principal tanks and springs

Area under crops in 1932-33 —Rice 60,000 acres, wheat 1,900 acres, jowar 505,000 acres, bajra 63,000 acres, marua 22,600 acres, gram 18,300 acres, other grains and pulses 668,000 acres, sesamum 2,100 acres, castor seed 33,000 acres, groundnut 615,000 acres, total oil seeds 653,000 acres, condiments and spices 20,200 acres, other sugar bearing palms 1,100 acres, cotton 145,200 acres, other fibres 1,600 acres, indigo 3,300 acres, tobacco 1,500 acres, fruits and vegetables 7,300 acres, total 2,178,000 acres

The northern half of the district has a brisk trade in grains which are mostly grown there Barytes is found abundantly in the district Steatite is also met with here

KURNOOL —Cotton carpets are woven in the town, the products being of a superior quality The town has two cotton presses which consume the products of the surrounding country The industries of the place include cotton cloths of a coarser kind It is the head-quarters of the district

NANDYAL (population 22,608) —It is a centre of grain and cotton trade The town is noted for its lacquer work in which there is a great trade It is a municipality with considerable trade

MAHANADI —It is about ten miles away from NANDYAL and is situated in the midst of forests There is a very picturesque temple which attracts many people from different parts

SRISAILAM —It is another very important place of pilgrimage where thousands of people gather at the time of the Sivaratri festival and is situated in the midst of the Nallamalai (forest)

CUMBUM —Cotton carpet weaving is done here to a small extent and slate industry has been recently started

Other important places are MEDDIKERU, ATMAKUR, KOIL-GUNTLA, DHONE and the MARKAPUR TALUK where the slate industry has been started recently

MADURA DISTRICT

The district with an area of 4817 sq miles is peopled by 182,007 persons The annual average rainfall is about 32" The whole of the district, with a few exceptions, is covered with red ferruginous earth The chief crops grown are varagu, cholam, ragi and cumbu, horsegram, paddy, cotton, gingelly and castor seed

Area under crops in 1932 33 —Rice 355,000 acres, wheat 1,000 acres, jowar 283,000 acres bajra 43,000 acres, marua 60,000 acres, other grains and pulses 316,000 acres, sesamum 31,000 acres, castor seed 6,900 acres, groundnut 92,000 acres, coconuts 7,300 acres, total oil seeds 138,000 acres, condiments and spices 18,200 acres, sugarcane 2,300 acres, other sugar bearing palms 1,300 acres, cotton 130,000 acres, coffee 11,000 acres, tobacco 6,300 acres, fruits and vegetables 30,000 acres, total 1,409,000 acres

Fruit trees and vegetables are largely cultivated in DINDIGUL and KODAIKANAL (a sanatorium and the chief hill station) The chief products of commercial importance on the hills are plantains, cardamoms, garlic and coffee DINDIGUL (population 43,617) is famous for its tobacco which is grown at PALNI (18,899) and PERIYAKULAM (23,004) Cigars and bell-metal wares are also manufactured A very large cattle fair is held at MADURA, during the annual festival at CHHATRA and fairly large weekly cattle fairs are held at DINDIGUL and MADURA Jaggery is made from palmyra juice in many villages In MELLUL TALUK the laterite beds are remarkably rich in iron, and salt is manufactured at certain stations People here carry on the

You like to prepare chocolate, lozenges, drops, etc. Read MANUFACTURE OF CONFECTIONERY. Industry Book Dept., Cal.

manufacture of fine and decent cloth on an enormous scale The most important art of the district is silk weaving Dyeing from vegetables is also resorted to There are 5 weaving and spinning mills and several lock factories Artificial silk is woven to some extent

MADURA CITY (182,018) is the commercial centres and its trade is extensive Commercial relations are chiefly with Tinnevelly, Coimbatore, and Trichinopoly There are 3 cotton mills and a large number of weaving establishments which are in a prosperous condition Paper mills are also in existence Copper and brass vessels are also manufactured Fine wooden tops are made here The exports are cotton and silk fabrics (and fine cotton saris) besides rice, sheep and cattle, tobacco, spices, cardamoms, and the chief imports are salt and timber (from Burma) Internal trade is carried on in numerous weekly markets There is a large traffic in fire wood Its traffic passes through Devipatam, Kilakarai, Pamban and Tondi in Ramnad The main line of S I Rly passes through the district which is well supplied with good metalled roads

KAMBAM and BODINAYAKKAMER are municipalities with a population of 18 844 and 27 056 respectively

MALABAR DISTRICT

The MALABAR district has an area of 5,795 sq miles and is inhabited by 35,33,878 people The annual average rainfall is 120 Oil trade is the important industry and coconut oil fish oil, guano copra, fish guano and poonac are largely exported Manufacture of coir yarn, rope and matting is also a great and expanding industry of the district Cotton spinning and weaving is practised in the district, there being 3 cotton mills in the district Malabar teak is extensively used in buildings

The crop valuable to the district are coconut, arecanut, pepper, ginger, plantain, etc Arrowroot and tapioca are also grown

Area under crops in 1932 33—Rice 869 000 acres, marua 12 300 acres, other grains and pulses 42,000 acres, sesamum 9 000 acres groundnut 1,000 acres, coconuts 332,000 acres, total oil seeds 343 000 acres, condiments and spices 125 900 acres, other sugar bearing palms 15,000 acres, tea 13,000 acres, coffee 7,000 acres, fruits and vegetables 205,000 acres, total 1769,000 acres

The area under ginger in 1934 is estimated at 11,000 acres with an yield of 2,750 ton of dry ginger The area under pepper is 88 700 acres in 1934 having an yield of 13,300 tons There are several tea, rubber and coffee estates

Fish canning is a growing industry A factory has been started at Beypore for canning sardines, mackerel, seer, prawns and other varieties of fish

KARIKAL is a French possession It has no direct trade in rice and other agricultural products, such as groundnuts, with other coastal exports Imports during 1932-33 amounted to more than Rs 48 lakhs of which foreign imports covered Rs 38 lakhs while the exports were valued at about Rs 1 5 lakhs

COCHIN (population 22,818) is one of the most important ports between Bombay and Colombo, Madras and Tuticorin alone commanding a greater trade than Cochin in the Presidency The port owes its importance to its natural position which has further been developed to suit the local conditions Foreign trade during 1934-35 amounted to Rs 581 lakhs as against Rs 439 lakhs in 1934-35 while coasting trade amounted to Rs 670 lakhs in 1934-35 as against Rs 612 lakhs in 1933-34

A scheme of railway extension to the Reclamation area to expedite the transmission of goods is on foot Coconut oil and the multifarious

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products of the coconut tree form the principal articles of export from this coast Oil brought here from the neighbouring districts is exported to the United Kingdom and the Continent Rangoon also figures as a good purchaser Coir is also shipped from here in very large quantities. The hill produces are nux-vomica, pepper, etc

Imports consist of cement, chemicals, drugs, earthenware and porcelain, fruits and vegetables, hardware, metal and ores, kerosene oil, paper and pasteboard, raw rubber, soap, stationery, sugar, tea chests, textiles, and vehicles, exports consist of coir, lemongrass oil, oil cake, raw rubber, ginger, pepper, tea, raw cotton, carpets and rugs and sandal wood The coasting trade of the port records imports of paddy, rice, pulse, gram, wheat and flour, hardware, kerosene oil, coriander, cumin seed, fenugreek, rope, sesamum and piecegoods, and exports consist of coir, cordage fish, coconut oil, coconut cake, ginger, pepper and tea The following table shows the trade done at Cochin

PALGHAT is a big city in the district and has a population of 49,064

TELLICHERRY has a population of 30,349 and is situated on the seacoast about 15 miles away from Cannanore From a commercial point of view the town occupies the foremost place in North Malabar and there are several European firms here It is a great centre of coffee The trade of the port consists chiefly in pepper and coffee from the estates in Mysore and Coorg, other exports being copra, sandalwood and tea The port is also open during the monsoon owing to its advantageous position and the construction of sea wall of laterite with cement The following shows the trade done at the port

	Foreign trade	Coasting Trade	Total
1933-34	27	39	66
1934-35	24	42	66

CALICUT is a port on the Malabar coast with a population of about 99,273 and is situated about 40 miles south of Tellicherry and 90 miles north of Cochin The sea is shallow here and ships anchor about 3 miles away from the coast 583 steamers and 942 native crafts called at this port during 1934 It is the headquarters of the district and a place of considerable trade, being one of the largest ports in the Presidency There are about 150 banks in Calicut Its coastal trade include among other imports of coal, gram, pulse, paddy rice, matches, raw cotton, twist and yarn piecegoods and salt, and exports of raw cotton, copra, coconuts, timber, coir, ginger, pepper, cordage There is a cotton mill here

The foreign trade consists mainly of imports of cement, dates, hardware, machinery, manures, iron and steel, kerosene, rubber manufactures, soap and sugar, and exports of tiles, coffee, coir, raw cotton, groundnut, raw rubber, pepper, coconut oil, cardamoms, fruits and vegetables and fish The port exported groundnut valued at Rs 21 lakhs during 1934-35

The value of trade at the port is explained by the following table —

	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees)		
Foreign Trade	2,53	2,62	2,23	2,28
Coasting Trade	3,48	3,24	3,45	3,91
TOTAL TRADE	6,01	5,85	5,67	6,20

CANNANORE (population 34,236) is a seaport and a Military Station and is famous for coating pieces The total value of its coasting trade amounted in 1934-35 to Rs 65 lakhs Its foreign trade during the same period was Rs. 4,67,000

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PONNANI (16,210) and BADAGARA are ports of some importance The foreign trade of Badagara in 1933-34 was valued at Rs 1,80 lakhs and the coasting trade at Rs 57 lakhs The corresponding figures in 1934-35 are Rs 4,18,000 and Rs 53,24,000 respectively

NELLORE DISTRICT

The estimated total area is 7,973 sq miles and the total population of the district is 14,86,860 Rainfall average 36" annually and the climate is dry and fairly healthy

Agriculture is the chief vocation of people in the NELLORE district Soil is generally sandy and the principal crop is rice Headquarters of the district is NELLORE which has a population of 45,995

Area under crops in 1932 33 —Rice 364,000 acres, jowar 448 000 acres, bajra 111,000 acres, marua 82,000 acres, gram 1,300 acres, other grains and pulses 341 000 acres, sesamum 6,100 acres, castor seed 52,000 acres, groundnut 12,300 acres, total oil seeds 71,000 acres, condiments and spices 14,000 acres, other sugar bearing palms 1,600 acres, cotton 38,600 acres, other fibres 2,200 acres, indigo 9 700 acres, tobacco 2 900 acres, fodder crops 15,000 acres, fruits and vegetables 10,000 acres, total 1519,000 acres

The district has no textile or other industry of any importance and the mica industry, which was very prosperous till the end of the War is since then declining Saltpetre is made in a few villages by refining down the nitrous earth to be found on the surface Copper was discovered in UDAIGIRI taluk in 1801 and European capital was attracted to the spot as the ore was found on assay to yield a large percentage of metal But all the enterprises have repeatedly proved unsuccessful and since 1840 no fresh attempt has been made KANIGIRI is famous for several instruments of fine quality such as spinning instruments, razors, scissors, etc These articles are largely exported from this place and the imports consist of cotton goods, iron, tobacco, etc Mica is mined here

GUDUR (population 10,451) —This is a town of some importance, predominantly agricultural Rice and chillies are grown in large quantities Mats are made Rice and chillies are exported from this district in small quantities

POPLUR is a big town and transacts a good trade in rice which is grown in the surrounding country

VENKATAGIRI has a population of 15,372 and that of ALLUR is 10,094

NILGIRIS (THE) DISTRICT

This district has an area of 10,009 sq miles and a population of 1,69,246 The indigenous tribes speak Toda, Kota and Badaga but Kanarese, Tamil and Malavalam are in common use

There are a number of picturesque water falls, but they are not of great depth or volume Kalakambe, the highest among them, has an unbroken fall of about 400 feet

The interior of the plateau consists chiefly of grassy undulating hills divided by narrow valley containing, as likely as not, a stream or a swamp Small beautiful woods, locally known as sholas, nestle in the hollows of the hill sides So much variety of beauty is seldom found in so small a compass

Area under crops in 1932-33 —Rice 5,600 acres, wheat 1 900 acres, barley 2,700 acres, marua 2 600 acres, other grains and pulses 5,800 acres, tea 34,900 acres, coffee 20,400 acres, cinchona 1,900 acres, fruits and vegetables 12,600 acres, total 92,000 acres

The climate (or rather climates) of the NILGIRI HILLS which varies (or vary) in each hill and valley according to variation in exposure

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to the monsoons, elevation or other local causes may be generally said to be dry, bracing and exhilarating for the greater part of the year, being more equable than those of Europe The maximum range of the thermometer is only from 8° to 9°F at Ootacamund and from 12° to 15°F at Wellington throughout the year in the middle of the day, as against 28°F in London

OOTACAMUND (population 24,616)—This Queen of Hill Stations is the Chief town of the Nilgiris district and the summer headquarters of the Madras Government The lands of these slopes are generally very fertile and well watered and a considerable and yearly expanding area is cultivated as garden land There is a Goverment cinchona plantation here The hills abound in woods of eucalyptus, acacia cypress and pine Some eight thousand people congregate in the chief bazar on the border of the lake and about half of the number gather in Kandal, a bazar in a small valley to west of the station

COONOOR (population 14,326)—It is an ideal resort for those about to retire, has an equable, salubriant and mild climate and is agreeably sheltered from south west monsoon Its vegetation is semi tropical A few miles away from Coonoor big games of every variety are to be found while the surrounding reserve forests provide the Shikari with small game The climate is particularly favourable for the cultivation of flora of all kinds and the soil is particularly good for roses The Agri Horticultural Poultry and Animal Show held here in June every year is considered one of the best shows in Southern India

KOTAGIRI —It is still considered as possessing a better climate for invalids than Ootacamund or Coonoor The station is chiefly occupied by planters and produces tea coffee and oranges of superior quality in abundance, while during the months of July, August and September there is a considerable supply of potatoes peas, apples and other fruits

WELLINGTON—Situated in the Merkanad division it is the Convalescent Depot for the British troops in Madras The soil in and about Wellington is of a rich red ferruginous clay resting on granite base with sienite in many places and feldspar, mica, and veins of quartz, flint and amethyst appear to be embedded in the granite, sienite or gneiss, in the form of crystallized silica Bamboo, coconut, nut, indigenous forest trees conspicuous among which are the teak (inferior quality), the blackwood (useful for furniture), the sal, wild jack, ven gay (a superior timber equal to teak and from it are made the bridges throughout the Ghaut) and the red and white cedars (conspicuous for their great girth and the woods of which are suitable for building or making furniture) grow in plenty

PONDICHERRY

PONDICHERRY is the Head quarters of the French Possessions in India and is situated about 150 miles south of Madras It is the centre for exporting groundnuts and has three up to date cotton mills equipped with 72944 spindles and 1740 looms all the products being exported to the French Possessions There is a bonemill factory and all the different mineral oil companies have their storage tanks here

The chief exports are shelled groundnut, textile manufactures, rice, onion, mangoes, provisions, living animals, earthenware, betelnuts, and bone-meal manure The principal articles of import are raw cotton, cotton manufactures, sugar, metals and ores, betelnut, paper, flour, coffee, cement, wood and other building materials, wines and spirits by sea and coal by land Gunnies, and petroleum form the other imports by land The imported spirits are free from any duty and the town has therefore an increasing trade in oils, spirits and wines.

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Exports to foreign countries amounted to Rs 188 lakhs during 1932-33 while coasting imports during that year were valued at Rs 51 lakhs

RAMNAD DISTRICT.

The district has an area of 4,838 sq miles and a population of 18,38,300 The inner parts are hot and dry, but the coast is cool Rainfall averages 31" annually

Of the industrial crops paddy occupies a comparatively small area but groundnut and raw cotton are produced here to a very considerable extent mainly for export The season for these products commences from April and continues as far as December

Area under crops in 1932-33 —Rice 43,500 acres, jowar 76,000 acres, bajra 136 000 acres, marua 79,200 acres, other grains and pulses 234,000 acres, sesamum 22,000 acres, castor seed 1,500 acres, groundnut 49 000 acres, coconuts 4,200 acres, total oil seeds 77,000 acres, condiments and spices 17,500 acres, other sugar bearing palms 2,300 acres, cotton 212,000 acres, tobacco 1,400 acres, fodder crops 55,000 acres, fruits and vegetables 9,700 acres, total 1,355,000 acres

The chief industries of the district are pressing ginning and weaving of cotton, and PARAKDI (16,113), ARUPPUKOTTAI (population 33,848), RAMNAD are places important for the weaving industry and the sale of cloths In these places ordinary dhotis and sarees both of silk and cotton are woven Pararubakadi and Ramnad sarees are very famous and are known in other districts as "Madura Cloth" At ARUPPUKOTTAI there is not a house without a loom and almost all the sarees that appear in the market in the type of the silken ones of Madura, Kumbakonam and Conjeevaram patterns are the production of Aruppukottai At this place a special kind of sari is manufactured with the mixture of cotton and silk These goods have been sent on a very enormous scale to Colombo, Rangoon Singapur, Penang Malacca and other places through Madras, Tuticorin and Dhanuskodi It is also believed that these goods reach even Turkey Dyeing and extracting oil from groundnut are also largely carried on, and there is silk weaving at PARAMAKUDI and RAMESWARAM Brass and bronze vessels are manufactured at PUDUYAVAL and coir at SINGAMPUNERI in Tirupattur taluk Tiles are manufactured at PUDUPATI in Srivilliputtur after the Mangalore pattern There are oil and cotton mills

Tobacco and oil cakes are also exported from here to foreign ports Negapatam, Tuticorin, Madras and Pondicherry are the chief ports through which these goods are sent Almost all the groundnuts and tobacco produced in these parts are exported through Negapatam and Madras only

Machineries, metals, cotton manufactures and other multifarious necessities and luxuries come here from Japan and China, England America and Austria Plenty of arecanuts come to the markets from Java through Colombo and Dhanuskodi

KEELAKADU is famous for gingelly seed TIRUPULUM VIRIDUPATTEE (population 33,081), TIRUMANGALUM and DINDIGAL are also other places of importance for this seed Generally the local produce is not reserved wholly for local consumption and the additional supply is obtained from other parts But the gingelly seed of KEELAKADU is used by almost all the country mills of RAMNAD TOWN (population 16,817)

The local merchants obtain ghee from Trichinopoly, Salem and Coimbatore districts and it is always much cheaper than the local cow's ghee Tirumangalum ghee is also coming to the market in tins It is

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better than the tinned ghee of Salem and Coimbatore but undoubtedly worse than the local cow's ghee

Groundnut oil is very greatly used by almost all classes of men in these parts VIRIDUPATTEE, AMBERKOTEA, TIRUMANGALUM and SATTUR are some of the places which supply groundnut, for extracting groundnut oil This oil is often mixed with the gingelly oil and sold as gingelly oil at a cheap rate Coconut oil is generally not very much used by the people here but greater part is consumed by the people of Tinnevelly district

The chief ports are PAMBAN, KILAKARAI, TONDI, DEVIPATNAM, DHANUSHKODI The total value of the foreign trade claimed at DHANUSHKODI port in 1934-35 was Rs. 72 lakhs Exports consist chiefly of turmeric, fish, fruits and vegetables, rice, leather, bones, brass manufactures, oil cakes, tea, piecegoods, carpets and rugs and cigarettes, while the chief imports are coffee, fresh fruits and vegetables, apparel, hardware, raw hides, raw skins, betelnuts, sugar, cotton goods, and gunny bags There is almost no coasting trade

RAJAPALAIYAM (population 38 693), SRIVILLIPUTTUR (population 32 385), TIRUPATTUR (10 644), DEVAKOTTAI and KARAIKUDI (21,672), are the centres of the wealthy trading community of Nattukottai Chetties and VIMDHUPATTI, SIVAKASI (20,393), and SATTUR (15,212) are the chief centres of cotton trade SIVAGANGA has a population of 11,393, RAMESWARAM is a place of pilgrimage much resorted to by people from all parts of India

SALEM DISTRICT.

The district occupies an area of 7,259 sq miles and is inhabited by 24,33,577 persons Three distinct tracts, Balaghat, Baramahal, and Talaghat form the district, and are alternately a tableland, a descent and a level country There are four rivers of which the Kaveri is important, the Vekar, the Ponnaiyar and the Polar being the others The climate of the district varies according to elevation from pleasant to moist and oppressive heat SHEVAROY, a hill station, has the coolest climate and YERCAND on it is a sanatorium Average annual rainfall amounts to 35"

Prevailing soil is red sand and the crops raised are ragi and cambu Rice, plantain, sugarcane areaunt and coconut are also grown

Area under crops in 1932 33 —Rice 186,000 acres, jowar 173,000 acres, bajra 360,000 acres, maiua 267,000 acres, maize 4,800 acres, gram 1,800 acres, other grains and pulses 548,000 acres, sesamum 56,000 acres, castor seed 24,000 acres, groundnut 128,000 acres, coconuts 9,000 acres, total oil seeds 218,000 acres, condiments and spices 17,000 acres, sugarcane 6,900 acres, cotton 65,000 acres, other fibres 1,100 acres, indigo 1,200 acres, coffee 10,900 acres, tobacco 3,400 acres, fodder crops 1,800 acres, fruits and vegetables 15,700 acres, total 1,887,000 acres

But groundnut is the industrial crop Coffee and rubber (at the Shevaroy Hills), indigo and mulberry are also grown Teak, blackwood, acha, satinwood, tamarind trees (at the foot of hills) are found here Magnesite is mined, among other minerals mention may be made of gold iron, saltpetre, mica, corundum, rubies, crystalline limestones which are also found

The chief industry is weaving (pure silk and good white-cloth in every village and at Salem city), carpets and coarse blankets are woven by shepherds in several places in the district There are several tanneries at TIRUPPATTUR and at VANIYAMVADI Sugar and jaggery are manufactured in some parts and brass and copper vessels are manufactured at RASIPUR There are pot-stone quarries in the TIRUCHENGODA Taluk

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The exports are rice, wheat, castor seed, castor oil, ghee, cloth, betel leaves, plantains, arecanuts, tamarinds, mangoes, coffee and cattle, the chief imports are salt, pepper, tobacco, yarn, groundnuts, etc Internal trade is carried on by weekly markets (in every large village)

Sheep, poultry, pigs, and cross-bred cattle are reared at Hosur

SALEM CITY has a population of 102,179 It is the headquarters of the district and has a municipality Salem a large weaving centre with over 30,000 looms, is famous for its cloths which are used all over the Presidency There are iron and chrome ore in Kanjamalai, manganese ore near Chalk hills, and mica ores near Edapadi at Hohanickal on the Kaveri in Dharampuri taluk and in Kallimpalai hills near Namakkal, of which the latter is being worked to supply electricity to Trichinopoly Salem is an exporting centre for cotton, groundnut, groundnut oil, ghee, gingelly, mangoes, betel, dhal, etc

Important centres in the district (besides Salem City) are DHARAMPURI (14,815), RASIPUR (14,438), SENDAMANGALAM, ATUR and TIRUCHENGODE Madras Railway traverses the district, which is well served with railways and good roads In several parts of the district there is motor bus communication also

TANJORE DISTRICT.

The TANJORE District is thickly populated, having a population of 2,326,265 in an area of 3,727 sq miles The climate of the district is healthy The average annual rainfall is about 44"

Area under crops in 1932-33 —Rice 1,099,000 acres, jowar 15,000 acres, bajra 8,300 acres, marua 24,000 acres, other grains and pulses 165,000 acres, sesamum 24,500 acres, groundnut 67,000 acres, coconuts 34,600 acres, total oil seeds 134,000 acres, condiments and spices 7,500 acres, other sugar bearing palms 2,500 acres, other fibres 1,200 acres, tobacco 1,700 acres, fruits and vegetables 28,600 acres, total 1,507,000 acres

Metal work and weaving of various kinds are the chief industries Silk and cotton are woven in TANJORE, AYYAMPET, KUMBAKONAM and KORANAD The artisans of Madura make brass, copper and silver ware, bell-metal (at PISANATTUR), pith models and toys Metalwares are manufactured in KUMBAKONAM and MANNARGUDI, and native jewellery, pith toys, lace work and embroidery at TANJORE

The chief exports (inland) are rice, betel-leaf, groundnut, oil, metal vessels and cloths and imports are gingelly and cotton seed (Mysore), kerosene oil, tamarind and timber Ghee, chillies, pulses, lamp-oil are the other imports from neighbouring districts

TANJORE (66,889), a Municipality, is the Headquarters of the district It is an important railway junction

NEGAPATAM (48,527) is the principal seaport of the district, carrying a large trade with Ceylon, the Straits Settlements and Burma It exports cotton piecegoods, livestock, ghee, cigar, tobacco and skins Exports of groundnuts during 1934-35 were valued at Rs 34 lakhs Imports through Negapatam are arecanuts, timber, cotton piecegoods and gunny bags The imports consist chiefly of apparel, cigarettes, furniture, gums, betelnuts, cotton goods

The table below illustrates the sea borne trade done at the port —

	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees)		
Foreign Trade	93	79	79	75
Coasting Trade	27	27	23	32
TOTAL TRADE	1,20	1,60	1,02	1,07

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Other principal places of note in the district are (1) KUMBAKONAM (62,317), a municipality on the Kaveri, (2) MAYAVARAM (31,887), also a municipality (3) MANNARGUDI (22,764), and TIRUVALUR (20,371) All these places contain temples of archaeological interest and are sacred to the Hindus, besides being centres/of trade

TRANQUEBAR, TOPPUTURAI, ADIRAMPATNAM (10,893), TIRUMULAVASOL, AMMARATNAM are seaports ADIRAMPATNAM has considerable foreign and coasting trade Figures for its foreign trade in 1929-30 were imports Rs 37,998 and exports Rs 10,27,776

The district is served with a network of railways besides having over 1,600 miles of road, of which 400 miles are metalled The spoken language of the district is Tamil

TINNEVELLY DISTRICT

The TINNEVELLY district is well-clothed with forest, having an estimated area of 504 sq miles of Ghani forest Its area is 4,325 sq miles, population 1,901,396 and language, Tamil Average annual rainfall is 27" The chief crops grown are cholam, cambu, paddy, cotton, samai, gingelly, palmyra palm (collection of its leaves constituting the means of livelihood of many people of the district)

Area under crops in 1932-33 —Rice 336,000 acres, jowar 76,000 acres, bajra 166,000 acres, marua 24,400 acres, other grains and pulses 238,000 acres, sesamum 50,000 acres, groundnut 7,200 acres, coconuts 5,400 acres, total oil seeds 64,000 acres, condiments and spices 37,500 acres, other sugar bearing palms 31,800 acres, cotton 272,000 acres, dyes and tans 2,000 acres, fodder crops 102,000 acres, fruits and vegetables 18,700 acres, total 1,390,000 acres

The chief industries of the district are pressing, ginning, spinning and weaving of cotton and manufacture of jaggery Cotton goods are manufactured in the mills at TUTICORIN, KOILPATTI (population 10,589) and PAPANASAM, VIRAVANALLUR (population 17,682) and KALLIDAI-KURCHI (17,074) are also important weaving centres in the district Brass and bell-metal industries thrive at MANNARKOVILI and VAGAIKULAM There are a large number of cotton ginning and pressing factories Mats of Korai grass of fine texture are manufactured in AMBASAMUDRAM taluk, the finest mats being those manufactured at PATTAMADAI Extraction of fibre, manufacture of mats and baskets from palmyra leaves, fish curing, sugar refining, metal work and salt making are other minor industries of the district Pearl and chank fisheries in the Gulf of Mannar are undertaken by Government Population of Ambasamudram is 15,602

The chief exports from Tinnevelly are cotton, jaggery, chillies, tobacco, palmyra fibre, salt, dry salted fish and cattle, and the imports are cotton twist and yarn, piece-goods and kerosene oil

The three important seaports in the district are TUTICORIN, KULASEKHARAPATNAM and KAYALPATAM Road traffic is considerable Weekly markets are held for collection and distribution of articles of trade The district is connected with the Travancore State by the South Indian Railway

TINNEVELLY (the headquarters) has a population of 57,073 Jaggery and sugar trade here is considerable Some timber trade exists (from Shencottah in Travancore)

PALLAMKOTAH (population 56,990) stands on the opposite bank of the Tambraparni River

TUTICORIN (60,395) is a town and a growing port in the Tinnevelly District, about 500 miles from Madras city. It is one of the largest

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ports in the Presidency and is the southern terminus of the South Indian Railway It ranks next to Madras city in importance in the Presidency Cotton palmyra fibre and sunn hemp, etc, are available There is a cotton mill here

The volume of the trade of the port is steadily growing The principal articles of export are raw cotton, live animals, coffee, cotton piece goods, drugs and medicines, oil cake rice, hides and skins spices, and tea Raw cotton makes up nearly half the total value of the export trade of the port, which conducts about three fourths of the trade of the Presidency in this article Cattle and goats are exported to Ceylon while cotton is sent to many parts of Europe and Asia Tuticorin has the largest export of chillies in the Presidency, while it comes next to Cochin in value of its export trade in tea A large quantity of rice is annually sent to Ceylon The chief items of import are European cotton twist and yarn and piece goods, petroleum, machinery, hardware, and cutlery, arecanuts and timber

The total value of the trade at Tuticorin follows —

	1931-32	1932 33	1933 34	1934 35
		(in lakhs of rupees)		
Foreign Trade	3 66	3,71	3 34	3 92
Coasting Trade	3 84	4 36	4 03	5,35
TOTAL TRADE	7,50	8,07	7,37	9 27

KULASEKHARAPATNAM (population 11,114) —The port handles considerable foreign trade Its coasting traffic consists chiefly in imports from other Madras ports and exports to them In 1929 30 the total coasting trade of this port amount to Rs 7 75 000, imports claiming Rs 4 56,000 and exports, Rs 3 19 000

PAPANASAM—Six miles from Ambasamudram it is a place of pilgrimage where during Chitrai Vishu and A h Amavasu large numbers of pilgrims congregate

BHANA TIRTHAM is another place of pilgrimage There is a grand waterfall at the foot of the Western Ghaut and 12 miles from Ambasamudram

Other important centres of trade are TENKASI (27,338), KADAYANALLUR (23 819), PULIYANGUDI (21 173), SURANDAI (15 728) TIRUCHENDUR (15,328)

TRICHINOPOLY DISTRICT

The TRICHINOPOLY district is dry and rather healthy Average rainfall is 38' The area of the district is 4 319 sq miles population, 1 902 838 and language, Tamil

Area under crops in 1932 33 —Rice 335 000 acres, jowar 268 000 acres, bajra 272 000 acres marua 72,100 acres, gram 3,400 acres, other grains and pulses 293,000 acres, sesamum 77,000 acres, castor seed 10,400 acres, groundnut 85,600 acres, coconuts 6 500 acres, total oil seeds 181,000 acres, condiments and spices 33,800 acres, sugarcane 7,000 acres cotton 43,000 acres, tobacco 13,200 acres, fruits and vegetables 22,200 acres, total 1,536,000 acres

The chief minerals are gypsum and phosphatic nodules

Weaving is the chief village industry and there are 10,000 looms in the district Cigars are manufactured in the town of TRICHINOPOLY Cotton and silk cloth are woven

Internal trade is carried on through weekly markets, and ARIYALUR, PERAMBALUR and TURAIYUR are important trade centres Other important places in the district are LALGUDI where brass and copper idols are made, KULITHALI, UDAYARPALAIYAM, SRI-

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RANGAM (24,663), famous for its Vishnu Temple, CHETTIKOLAM, pilgrims flocking every year to the Subramanya Temple on the top of a small hill for the Pangum Uthiram Festival, held in March and April, and SIRUVACHUR where to the sacred temple of Madura Kaliammanu pilgrims similarly congregate every year in May and June during the Car festival

At about a mile away from KARUR (population 19,850) a large number of pilgrims assemble during festival in Purathasi

The chief exports are paddy, cotton, groundnuts, plantains, coconuts, betel leaf, etc, silk and cotton turbans, fine and coarse cotton fabrics, carpets, blankets and mats, rubies, silver-work, paintings and pith models, baskets, bangles, shoes, tanned skins, castor oil, oil-cake, saltpetre, stone, cigars, soap, buffaloes, sheep and goats The most important of the imports are good cloths of silk and cotton both for male and female wear, carpets, household vessels and utensils, raw hides, bangles, glassware, raw tobacco and ploughing cattle

TRICHINOPOLY—This with a population of 142,843 constitutes the third largest city in Madras An important railway junction, a military cantonment and a municipal town, it is a centre of considerable trade It is the centre of cigar-making industry and a great educational centre

VIZAGAPATAM DISTRICT.

The district of VIZAGAPATAM lies on the western shore of the Bay of Bengal over an area of 4,568 sq miles and has a population of 2,231,874 who speak Telugu It has a coast line of eleven miles Average rainfall is 40"

All the principal food crops are transplanted in this district and except in PALKONDA, double crops of paddy are rare, the wet fields being utilised after the removal of the paddy for growing green gram or a variety of garden crops and vegetables Numerous varieties of paddy, differing from taluk to taluk, are grown

Area under crops in 1932 33 —Rice 1,117,000 acres, wheat 2,000 acres, jowar 79,000 acres, bajra 210,000 acres, marua 507,700 acres, maize 15,500 acres, gram 3,300 acres, other grains and pulses 483,000 acres, sesamum 135,000 acres, rape and mustard 7,000 acres, castor seed 10,400 acres, groundnut 118,000 acres, coconuts 2,700 acres, total oil seeds 353 000 acres, condiments and spices 64,500 acres, sugarcane 33,600 acres, other sugar bearing palms 2,900 acres, cotton 14,500 acres, other fibres 50,000 acres, tobacco 50,600 acres, fodder crops 18,000 acres, fruits and vegetables 68,000 acres, total 3,096,000 acres

The art industries of the place are insignificant Ornamental articles of ivory, tortoise shell and horn are made Golconda contains the largest number of looms and handmills, tanning of hides and skins is carried on in several tanneries round VIZAGAPATAM Manganese industry is carried on by the Vizianagram Mining Co at NELLIMARLA, GAJAPATINAGARAM and CHIPUMPALLI

VIZAGAPATAM (57,303), a municipality and the headquarters of the district, is a flourishing seaport It has recently been declared a major port to meet the demands of the Central Provinces It is a port of call for all ocean-going and coastal traffic steamers The chief exports to Vizagapatam include manganese, groundnuts, myrobalans, hides and skins Exports of groundnuts during 1934-35 were valued at Rs 15 lakhs There is considerable trade in cooly rice with Burma during the seasons of plantation and harvesting. The chief imports are cotton twist and yarn and piece-goods, iron, timber, etc But the place receives its imports mainly through Madras and Calcutta There is a sugar factory here It has both foreign and coasting trade. Chief

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import is sugar Myrobalan, manganese ore, groundnut, niger seed and jute are the chief exports The nature of the trade transacted in this port will appear from the following table —

	1931-32	1932-33	1933-34	1934 35
		(in lakhs of rupees)		
Foreign Trade	38	42	47	85 5
Coasting Trade	32	31	22	47 5
TOTAL TRADE	70	73	69	133

VIZIANAGRAM (44,696) —It is also a municipality and is rapidly growing second largest town in the district, it is a centre of considerable trade in agricultural products It contains several tanneries

ANNARKAPALLE (23,376) —It is also a municipality and is a growing and rising centre of trade in agricultural produce It is noted for manufacture of coarse cloths and jaggery and exports a considerable quantity of jaggery cloths and grain to other places

BIMLIPATAM —It is a small port It is famous for jute of an inferior quality, and the name stands for one of its trade varieties The jute is probably hemp (sunn) and misnamed as such The chief exports from the place are gingelly and gingelly oils, hides, skins, seeds, jute, indigo and myrobalans Exports of groundnut during 1933 34 were valued at Rs 22 lakhs The principal imports are cotton twist, yarn and piece-goods There are two jute and gunny bag factories, managed and established by the Europeans Though small, the port has both foreign and coasting trade of some importance

	1931-32	1932-33	1933 34	1934 35
		(in lakhs of rupees)		
Foreign Trade	25	37	28	27
Coasting Trade	19	2½	11	18
TOTAL TRADE	44	40	38	45

BOBBILI (population 20,544) —The place has brisk trade in grains and pulses during season

NARASAPATNAM —It has a population of about 14,005 and is a centre of trade with the hills to the north

PALKONDA —It is a place of much local importance and has a population of about 10,000 The surrounding country is very fertile and rich agricultural products are obtained Besides paddy and other cereals, sugarcane is also cultivated here

PARVATIPURAM (population 17,434) —The place is a rapidly growing centre of trade with the hill and the low country Hill products and agricultural products are available here at cheap prices

SIMHACHALAM is a famous place of pilgrimage Thousands of pilgrims flock to the ancient temple of this place during the Kalyanam festival in April and Chandana Yatra in June It is only 10 miles from Vizagapatam

PUNYAGIRI is another sacred place of pilgrimage during the Sivaratri festival The temple is built on a hill

SALUR is a municipality with a population of 17,899 and YELLAMANCHILLI is peopled by 11,763 inhabitants

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MARKET PLACES OF BIHAR & ORISSA.

THE province of Bihar and Orissa comprises Bihar, Chotanagpur and Orissa which differ widely in their physical features The total area of the province is about 83,000 square miles and its population is according to 1931 Census 37,590,356 divided as follows Bihar, 25,650,917, Orissa 5,300,398, and Chota Nagpur, 6,639,041 Under the new constitution of India, Orissa is made into a separate province under a Governor Since April 1, 1936 portions of Vizagapatam and Ganjam districts of the Madras Presidency and Raipur and Bilaspur districts of the Central Provinces are now included in Orissa

Bihar extends from the foot of the Himalayas to the bank of the Ganges and is separated from Orissa by the crystalline plateau of Chotanagpur It is an alluvial river plane watered by the Ganges and its tributaries Sone, Gondak Gogra and Kusi It suffers from extreme temperatures The only marsh is in Champaran, covering an area of about 140 sq miles Trees are plentiful in the northern parts

Chotanagpur is bounded by the Rajmahal Hills in the east and comprises an upland tract of hills and plateaus covered with forests in which the sal predominates It is a tangled mass of rock and forest The sub province is watered by the Damodar, the Kasai and the Subarnarekha

Orissa is a strip of alluvial coastal plain with hilly tracts in the interior The chief rivers are the Subarnarekha, the Baitarani, the Brahmani, and the Mahanadi Orissa is blessed with a very large lake, Chilka by name, which abounds in fishes The export of fresh fish takes place from the Chilka Lake by rail Ice factories have been started near Chilka

The **mean temperature** during the cold season months is 64°F and during summer the mean temperature is 83°F The rainfall averages about 50′ to 60′ in E Bihar, 45″ in Chotanagpur and about 60″ to 70′ in Orissa In South Bihar the average rainfall amounts to about 40″ Great damage is generally done by cyclones in the sea coast of Orissa

Crops —Total area cultivated in this province in 1933 34 was about 30 million acres of which rice claimed 13 3 million acres, wheat 1,222,000 acres, barley, 1,307,000 acres, jowar or cholam, 90,000 acres, bajra or cambu, 72 000 acres, maize 1,697 000 acres, sugarcane 418,000 acres, sesamum 205 000 acres, gram, 1,484,000 acres, linseed, 632,000 acres, rape and mustard 598,000 acres, jute 166,000 acres, cotton, 42,000 acres, tobacco 140,000 acres

Rice is grown wherever rainfall is abundant, i e, in N Bihar and in the valleys of Chotanagpur and Orissa In the hill sides millets and pulses are raised In W Bihar the practice of growing several crops in the same field together is still carried on, e g, gram wheat, sesamum and linseed are grown together in the same field at the same time

Maize is grown in Bihar and Chotanagpur, wheat, barley, gram, marua, jowar, bajra are also grown Cereals and pulses receive more attention than others Peas, kalai, kulthi, khesari, arahar, gondli, kodan, urid are the cereals grown Coconuts are plentiful on the coastal

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strip of Orissa Tea is grown in the Ranchi and Hazaribagh districts Among other crops special mention should be made of tobacco and indigo which are of great economical value to Bihar Lac is found all over Chotanagpur, Santhal Parganas, etc

Jute is grown in Northern Bihar Chillies of N Bihar and tobacco of the Monghyr district are celebrated Oil seeds are largely cultivated, specially til, castor and sarguja Poppy is grown in W Bihar and Chotanagpur Sugarcane is largely cultivated in N Bihar and a large number of sugar factories (about 16) have grown up here The sabai grass of Santhal Parganas and Ranchi are sought after by paper mill owners

Total area sown in the province during 1933 34 was 30,086,000 acres The districts where the crops grow abundantly are given below Rice—Cuttack, Bhagalpur, Balasore, Muzaffarpur, Ranchi, Wheat—Shahabad, Monghyr, Muzaffarpur, Gaya, Barley—Champaran, Muzaffarpur, Saran, Cholum—Patna, Gambu—Santhal Parganas, Ragi—Darbhanga, Bhagalpur, Maize—Muzaffarpur, Monghyr, Saran, Gram—Shahabad, Gaya, Patna, Monghyr, Cereals and pulses—Shahabad, Gaya, Monghyr, Linseed—Shahabad, Champaran, Sesamum—Palamau, Sambalpur, Rape and mustard—Purnea, Bhagalpur, Darbhanga, Coconut—Puri, Condiments and spices—Angul, Sugarcane—Saran, Muzaffarpur, Cotton—Ranchi, Saran, Jute—Purnea, Tobacco—Muzaffarpur, Purnea, Darbhanga, Fruits and vegetables—Saran, Cuttack, Muzaffarpur

Almost all the fruits found in Bengal are obtained here Mangoes of Darbhanga and lichees of Muzaffarpur are famous Cauliflowers of Bihar have good reputation

There is provision for irrigation in the Shahabad and Gaya districts of Bihar and also in some places of Orissa

Cattle:—Patna, Sitamarhi, Bachaur, Bhagalpur are the breeds of cattle A large number of cattle and horse fairs are held in the province, noted amongst them being those at Sonepur and Sitamarhi

Minerals:—The province is very rich in minerals Coal is the chief mining article, Dhanbad, Giridih, and the Jharia field being the most important Coal deposits also exist along the valley of the Mahanadi, notably in Telchar There is also a large coal supply in the district of Palamau During 1934 Bihar was responsible for 12,323,760 tons of coal which represents about 56 per cent of the total production of coal in India Gold-bearing sands are met with in the river beds of the Subarnarekha Hazaribagh and surroundings supply the world's demand of mica Mica is also quarried in the Gaya district The centre of the industry is however at Giridih and the products are sent down to Calcutta North Bihar is the chief source of saltpetre which is obtained on a large scale in Patna Division and Monghyr Salt is quarried at Monghyr and ballast in the Rajmahal hills Abundant limestone is available at Monghyr and also in the districts of Palamau, Singhbhum, Gangpur, and Santhal Parganas Singhbhum has extensive iron deposits which are worked at Jamshedpur by Tata Iron and Steel Works In fact the Singhbhum mines produce nearly the whole of the iron ore of India Granite occurs in Gaya and Hazaribagh and soapstone is found at Manbhum Copper and lead ores are also found Manganese is mined to some extent Deposits of slate, steatite, fireclay, china clay, sandstone and apatite are developed in various parts of the province Singhbhum and the neighbouring state of Kharsawan are the principal sources of Kyanite in India Singbhum also produces small quantities of gold

Industries:—Cloth weaving is the chief home industry Tassar silk is woven in Bhagalpur Cotton carpets and also woollen carpets are

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woven at Obra in the Gaya district Silver and gold work of Cuttack and Kharakpur in Monghyr are famous Iron workers of those place are also noted Stone carving is done at Gaya, glassware at Patna and bracelets of coarse glass are made at Bhagalpur Carpenters of Bihar and Orissa are skilled workmen Potteries are made in the Bhagalpur and Manbhum districts Oil mills flourish greatly in the districts of Santhal Parganas and Bhagalpur Rice milling is also practised on a large scale, there being 83 mills in the province Jute mills have lately been founded at KATIHAR and DARBHANGA Steel is manufactured at Jamshedpur, the production during 1934-35 being 892,000 tons of pig iron and 834,000 tons of steel ingots

Factories:—There operate 359 factories in Bihar and Orissa, the most important of them being iron and steel factories at Jamshedpur lac factories, indigo factories, sugar mills, oil mills, match factories, etc Of these 52 remained closed Of the 307 working factories 250 were perennial and 57 seasonal The number of persons employed was 78,224

Coasting Trade during 1934-35:—Imports—Kerosene (Rs 150,000) Rape oil (Rs 48 000), Salt (Rs 1,19,498), Essential seeds (Rs 31,210), Betelnuts (Rs 165,128), Sugar (Rs 26,073), Twist and yarn (Rs 43,500), Piecegoods grey (Rs 46, 225), Gunny bags (Rs 16,919), total Indian Merchandise (Rs 7 74,276), Do Foreign Merchandise (Rs 71,633) Exports —Drugs and medicines (Rs 32,786), Gram (Rs 26,923), Paddy (Rs 2,64,479), Rice (Rs 79,360), Total Indian Merchandise (Rs 4,14,090) The chief port sharing the major part of this trade is BALASORI

Rail and River Borne Trade during 1933-34:—Imports (in 1,000 mds) —Cement (1,117), coal and coke (14,043), raw cotton (18), twist and yarn (393), piecegoods foreign (137), do Indian (1,107), fruits dried (106), glass (77), rice (7,180), wheat (1,134), wheat flour (884), gunny bags and cloth (3,25), iron and steel bars, etc (1,857), lac and shellac (127), manganese ore (511), kerosene oil (2,474), vegetable oils (346), castor seed (18), groundnut (43), linseed (71) rape and mustard (1,375), sesamum (77) ghee (49) salt (5,978), sugar (281) gur (186), tobacco raw (170) teak, timber, etc (910)

Exports—Bones (408), cement (2,426), coal and coke (209,940) piecegoods (63) myrobalans (169), fruits dried (53), rice (1,552), wheat (116), wheat flour (213), hemp, etc (549), hides raw (351), skins raw (68), jute (3,081), gunny bags and cloth (362), iron and steel bars (15,656), lac and shellac (511) manganese ore (2,274), mica (115), oilcake (1 951) vegetable oils (285), castor seed (424), linseed (1,737), rape and mustard (321) ghee (75), saltpetre (131), sugar (3,158), gur (2,157), tobacco raw (768)

Transport:—The E I Rly, B N, Rly, B & N W Rly, B B Rly etc, are the chief railways There are about 4,000 miles of railways in the province besides 4000 miles of metalled roads and about 26,000 miles of unmetalled roads The e are more than 500 miles of navigable canals

ANGUL

ANGUL is a district in the Orissa division with a population of 2,22,775 who speak Uriya and an area of 1,702 sq miles Average rainfall 54" The headquarters of the district are at Angul 64 miles away from Cuttack

The principal crops are rice and turmeric which are largely exported Millets, pulses, maize and oilseeds are grown by the Khonds Acreage under crops in 1932-33 Rice 144,400, marua 3,500, maize 7,200, grains and pulses 47,000, rape seed 3,500, sesame, 19,000, castor 5,100, total oil seeds 28,000, sugar 2,900, cotton 4,600, total 253,000

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There are coal-bearing rocks, the quality being not very good Iron stone occurring here is locally smelted, cotton-weaving, basket and mat making are the industries There are also iron, brass and bell-metal works

The trade is chiefly with Cuttack, Puri and Ganjam The chief exports are rice, millets, gram, lentils, catechu, molasses, oilseeds, hides and horns Turmeric, mohua, wax, honey and shellac are also exported from the Khondmal villages The chief imports are piecegoods, salts spices, ghee, sugar, dried fish, kerosene oil, brassware and glass beads

The chief trade centres are ANGUL, SANKHPUR and BAGDIA Goods are carried by carts and pack bullocks There are also weekly markets at PHULBARI and KHEJURPURA

BALASORE DISTRICT.

A district in Orissa division with a population of 990,587 and an area of 2,085 sq miles

A mela is held in Balasore on the night of Shivaratri in February, a large number of people congregate Another famous temple is the temple of Gopinath visited by pilgrims to Jagannath

The chief crops of the district include rice millet, pulses, etc It is a great rice-bearing tract Acreage under crops in 1932 33 Rice 894,000, grains and pulses 6,000, rape and mustard 2,500, jute 2,000, fruits and vegetables 15,000, total 937 000

There is no local industry of importance in the town but great business is done in salt manufacture, bell metal ware, cotton weaving and mat-making

Exports of the district consist of hides, jute oilseeds, timber, stone ware and rice, and the imports are piecegoods, glass and brassware, medicines, oil, spices, etc

CHANDBALLI is a seaport where steamers from the coastal ports and Rangoon touch

BALASORE (population 17,843) —The principal exports from this place, which is the headquarters of the district, are rice, stoneware dry fish, spices and provisions Both cow and buffalo ghee can be obtained here, these are exported to Calcutta by rail and are in much demand there There are many brass metal factories which manufacture dishes, pots, glasses, plates, etc, which are generally sent to Calcutta and Puri, and are largely sold in those places Coarse cotton cloth, bell metal articles, stonewares, etc are made Various kinds of fine and artistic works and ornaments of silver are also manufactured It is a seaport of some minor importance The total value of imports to and exports from Balasore in 1932-33 was Rs 9,49,593 and Rs 4,79,500 respectively

BHADRAK (population 18,283) —Rice and paddy are the chief articles of trade in this market Besides these, buffalo ghee and kalai, lentil, mustard-seed are also available here

BHAGALPUR DISTRICT.

The BHAGALPUR district contains a population of 2,237,804 who speak Hindi, in an area of about 4 226 sq miles Average rainfall is 52"

Acreage under crops in 1932-33: Rice 930,000, wheat 84,000, barley 43,000, ragi 96,000, maize 140,000, gram 74,000, cereals and pulses 326,000, linseed 50,000, rape and mustard 67,000, castor 10,700, sugarcane 13,000, jute 19,000, tobacco 2,400, fruits and vegetables 7,000, total 1,918,000

Several minerals are found in the district, as sulphurate of antimony, copper, which exists in the Southern hills in various forms,

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and iron ore which is very largely distributed but is not worked owing to the difficulties of procuring sufficient fuel, and a good flux

Indigo, tassar silk, bafta cloth, ghee, iron and brass utensils, and lac bracelets are the chief industries Gur from BANKA is sent to Bengal, coarse coloured glass is made at BHAGALPUR Several kinds of coarse cloth are made, and cotton weaving and the manufacture of saltpetre are carried on to a limited extent

The chief imports are coal, coke salt, cotton, piece goods, gunny bags, gram, pulses, silk (raw) and tobacco, and the chief exports are rice, mustard seed, indigo, wheat, gram, and pulses, tassar cloth bangles, etc Imports come by rail or steamer

Trade is chiefly with Nepal and East Bengal The important centres of trade are SULTANGANJ BHAGALPUR, COLGONG, PIRPAINTI, BILHAR, AMARPURA, BARHAT JEYPORE and BANKA in the south and MADHIPUR, KISHANGANJ, BANGAON, PROTAPGANJ, BIHPUR and SUPALU in the north A network of railways, roads and steamer routes traverses and intersects this district

BHAGALPUR (population 83 847) —Situated on the right bank of the Ganges, Bhagalpur is a great commercial centre About three miles from the station there is a Jain temple Its central jail is famous for the manufacture of curtains, carpets and blankets The local weight is 101 tolas a seer but in the case of certain commodities 80 tolas are common The articles of trade of this place include wheat, seeds, jute (in small quantities), ghee, molasses, jaggery, pulses, rice, paddy, potatoes tobacco, sugar, millet, oat, etc, which are largely imported here from the interior by carts and outside the province by rail and are consumed here or exported The local products are blankets of a coarser quality, tassar, garad, bafta, and khesa cloth Cauliflowers, fishes, vegetables, mangoes, honey, etc, are available here There are several oil mills and flour mills, which consume the products of the districts Oil and oil cakes are generally exported to important places on the loop line

CHAMPANAGAR is the famous Buddhist capital, and contains some interesting shrines Mangoes, tassar, silk and ghee are abundantly available here Honey is also sold and can be had from the Santhals on week-days during summer

SULTANGANJ —This is also a busy commercial centre in the mofussil Potatoes are largely cropped and are sent down to Calcutta by the end of October by railway Fishes, mangoes and cauliflowers are also obtainable here during season at a cheap price and business in these is brisk during season time Tassar, bafta and silk clothes are obtainable here in large quantities, which go chiefly to Bhagalpur and Monghyr and are then sold to big buyers Goods are sent away from this place by rail and during the rains by steamers also The products of the place which are marketed in large quantities are rice of various qualities, grains and seeds, besides those already mentioned Connection with the interior is by carts for goods and by motor bus for passengers It is only 15 miles from Bhagalpur town

NOWGACHIA —It is an important and busy grain mart Among the commercial products and commodities Maghi and Purabi mustard seeds are the most important Other articles of trade are grams, kali kalai, kalai, maize, chillies, arahar, masuri, khesari, linseed, castor seed and ghee

COLGONG —The country round produces rich crops of grams, seeds, pulses, paddy, jaggery, oil-cake, rice, potatoes, onions, turmeric, etc which are brought here by carts in large quantities from the

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interior and are exported from this place The potato trade of the place during October with Calcutta is worthy of notice The business of the place is brisk during season Fish is also sent away during winter in enormous quantities

Other important commercial centres, where wheat, grains, oil seeds, pulses are largely obtainable, are PIRPAINTI, BANKA, GONDA, MADHIPURA, KHAGARIA, MANSI, THANA BIHPUR, etc

CHAMPARAN DISTRICT

CHAMPARAN occupies an area of 33,831 sq miles in the Tirhoot division and contains a population of 2,149,302 Most of the CHAMPARAN district consists of alluvial plain excepting some 15 miles along the borders of the Himalayas The Someswar range is well wooded Rainfall averages about 56"

The chief crops grown are rice, barley, maize, wheat, pulses and indigo Oilseed, thatching-grass, poppy and sugarcane are also grown Acreage under crops in 1932-33 Rice 775,000, wheat 114,000, barley 233,000, maize 145,000, gram 48,000, cereals and pulses 376,200, linseed 95,800, rape and mustard 44,200, jute 2,500, sugar cane 33,000, fruits and vegetables 53,100, total 1,974,000 There is abundant pasture in BAGHA and SHIKARPUR which attract cattle from the surrounding country Catechu is obtained from the forests of BETTIAH Large cattle fairs are held annually at MADHUBAN and BETTIAH

Coarse cotton cloth is woven Weaving of blankets and rugs, and pottery making are the other industries The district was once famous for its indigo but the industry is gradually declining Sugar making is the prominent industry Rice milling is done Dhurries, carpets and mother-of-pearl buttons are made at MEHSY

The exports from this district are indigo, oilseeds, grain and sugar, imports are salt, piecegoods, kerosene oil, coal, grain, tobacco, chemicals, hardware, and machinery The trade is chiefly with Calcutta The main trade route to Nepal lies in the Champaran district and traffic is registered on the frontier at RAXAUL

The important marts are GOBINDAGANJ, BARHARWA, MANPUR and BAGAHA The trade centres are BETTIAH, MOTIHARI, CHAINPATIA, CHAPKAHIA, RAMGARWA, KESARIYA and MADHUBAN

MOTIHARI (population 17,545) —It is the headquarter station of the district Khari salt and saltpetre are obtainable here and are sold to Calcutta and upcountry merchants Indigo is also cultivated in the district The surrounding country also produces large quantities of sugarcane and there are several sugar factories in the district There are also rice mills, which consume the products of the surrounding country There are button making factories Hand loom weaving is also practised The tobacco of Motihari is very good and is sent to as far as Burma and is used there for cheroot making and in cigar industry Net-making is also an industry, nets are sold to the fishermen of this and the adjoining districts Oil pressing and durri weaving are among important industries of this place The town has a large trade in ghee with Calcutta and other centres of Bengal and Bihar and Orissa Transport with the interior is mainly by carts and the climate is on the whole good The principal imports into the town are grains and seeds, tobacco, jaggery, molasses, bheli gur, ghee, khari salt, saltpetre, indigo, oilcake, garlic, hides and skins, etc

BETTIAH (population 27,941) —The principal productions round the town are linseed, mustard seed, gram, maize, lentil, poppy seed, ghee, jaggery, molasses, sugar, tobacco, oilcake, castor-seed, chillies,

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turmeric, wax, honey, timber, hides and skins, etc It has a booming trade in these articles. Sabai grass and timber are exported. The transport facilities with the interior consist of carts drawn by bullocks. Of the various productions, jaggery and molasses are largely exported. Ghee is brought here in considerable quantities and is of good quality.

CUTTACK DISTRICT.

The CUTTACK district lies in the Orissa division and has an area of 3,633 sq miles and a population of 2,171,977 speaking Oriya, Bengali, Urdu, Telugu and Hindi The delta of the Mahanadi and the Brahmani traverses it

Acreage under crops in 1932-33 Rice 1,069,000, marua 16,000; cereals and pulses (gulith, mung, arhar) 124,000; oilseeds, 17,000; jute 17,000, tobacco 9,700, fruits and vegetables 90,000, coconut 2,500; sugar 3,406; total 1,367,000.

The silver filigree work of Cuttack City is well-known, cotton weaving, bell metal work, lac and brass ornaments, pottery, hardware, gunny bags and basket making are the chief industries Neat toys and sticks are made of buffalo horn, deer horn and ivory and are largely bought by pilgrims visiting the district.

The chief exports are rice (to Calcutta, Mauritius and Ceylon), oilseeds, hides, jute, timber, horn, lac, nux-vomica, bees-wax, resin and silver filigree work (to Calcutta), and bones (to Calcutta and Ganjam) The chief imports are piece-goods, kerosene oil, crockery, glassware, fancy goods, motor cars and accessories, machine oil, metals, yarn, spices and betelnuts and salt from Calcutta and Madras Presidency, jungle products, grain and oilseeds from the Tributary States and C.P.; and spices and condiments from Ganjam

The chief trade centres are CUTTACK TOWN, FALSE POINT and CHANDBALLI (outside the district).

CUTTACK (population 65,203) —It is the headquarters of both the division and the district and situated on the B. N Rly It is 254 miles from Calcutta and 773 miles from Madras The local manufactures consist of sticks and pen-holders from the horns of animals Combs, hookah pipes, toys and chess are also manufactured here. Shoes are largely manufactured and are exported to Calcutta and other places. Timber industry of Cuttack from the jungles of C P and other Native State jungles is important, and Calcutta gets a large share of its supply from Cuttack. Coloured lac churies and wooden toys coloured with lac are manufactured and exported to various places. It is also a place of important stone quarrying It is famous for gold and silver filigree work. It has silver works and cutlery works, (scissors, dao, axe, small daggers and kukries, etc.) the products of which are largely exported to Calcutta It imports rice, timber, salt, honey, chua, wax, lac, sticks, combs, toys of buffalo-horn, broad-bordered dhuties, chaddar, coconuts, hookah pipes, knives, bell-metal utensils, etc. The place is healthy.

KANTARHAT.—Large quantities of coarse rice and paddy are imported here which are exported to Calcutta and Cuttack.

DARBHANGA DISTRICT.

The district constitutes a large alluvial plain of about 3 350 sq. miles The average annual rainfall is about 50" Hindi and Urdu are the languages spoken and Darbhanga which is in the Tirhoot division, has a population of 3,105,529.

The elevated land in the S. W. is the most fertile part of the district. The main articles of agricultural produce include rice, wheat, barley, maize, gram, khesari, arhar, kodan, mung, oats and janera. Potatoes, yams, suthin are also cultivated A considerable area is also

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under oilseeds (linseed), tobacco, indigo, sugarcane, all of which are profitable crops Acreage under crops in 1932-33 Rice 4,99,000, wheat 80,000, barley, 77,000, ragi 1,32,000, maize 1,15,000, gram 25,000, cereals and pulses 185,000, linseed 53,000, rape and mustard 64,000, sugarcane 22,000, cotton 3,400, tobacco 28,000, fruits and vegetables 38,000, total 1,58,700

The industries of the district include coarse cloth weaving and mat-making Kokti cloth, woven from a kind of locally grown cotton is much prized in the district and has a good sale Brass and other utensils are made at JHANJHARPUR Indigo cultivation is under European management The sugar industry in the MADHUBANI sub-division is very important There are several rice mills, oil mills, sugar factories A jute mill has recently been opened at MUKTAPUR

The principal exports are rice, indigo, gram, pulses, linseed, mustard-seed, saltpetre, tobacco, hides, ghee, timber (from Nepal frontier) and fish Ghee is largely sent to Calcutta where it has a very good market The principal imports are rice, grains, kerosene oil, salt, gunny bags, coal, coke, piecegoods and raw cotton The seeds and pulses and grains are sent to Calcutta and the other fo d crops to Saran and also to Muzaffarpur The food grains imported come mainly from Nepal and Bhagalpur, coal and coke come from Bengal and Bihar, salt and piece-goods come from Calcutta

The important marts in the district are DARBHANGA, SAMASTIPUR, MADHUBANI, RUSERA, PUSA KAMTAUL, DALSINGSERAI, NARAHIA (for the grain traffic of Nepal) and JHANJHARPUR The trade is carried by rail, a network of lines passing through the district

SAMASTIPUR —It is situated on the B N W Rly, in the Darbhanga district The country round the town is very fertile and produces rich agricultural crops There are good mango and lichee gardens, the products are very good and are generally exported Graftings of these trees are also available here Ghee of Samastipur has a good name in the Calcutta bazar and is exported in large quantities There are several factories for producing sugar from canes and also from imported molasses The place is healthy

RUSERA —Trade in agricultural products is considerable here Local oil and oil-cakes are of good quality It stands on the B N W Rly and goods are despatched by rail It has also the advantage of sending goods and merchandise to Calcutta by boats during the rainy season, when the rivers are generally full of water Sweet and large fishes are available in the Gandak river and are exported from this place during winter

DARBHANGA (population 60,076) —It is the district headquarters and is also the seat of the Maharaja of Darbhanga LAHERIASARAI is the Sadar Station The surrounding country is extremely fertile and goods are brought by carts and by rail from remote villages and also from the villages of Nepal Terai and are marketed here Among the articles of trade brought for sale are wax, honey, mangoes lichees and mango parchments (Amsatta) Resins of pines, guggul, Indian madder, etc, are obtainable in large quantities and are exported

Industries of Darbhanga consist of manufacture of coarse cloth and blankets, brass utensil making and rice milling There are several rice and oil mills which consume the products of the district and import as well There are also tobacco factories, sugar factories and flour mills The brass and bell-metal wares are made here as well as at JHANJHARPUR

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The traders and people from Nepal bring down timbers, hides, and skins, cattle, sheep, buffaloes, goats, lentil, mustard seed, blankets, wax, etc, for sale here and in exchange they take into Nepal piecegoods, salt, kerosene oil, spices, brass utensils, hardwares and other articles for their use This place has thus a good foreign trade

SAKRI —Hides and skins, tobacco, garlic, potatoes, maize, turmeric, etc, are largely exported from here It is chiefly famous for ghee, molasses and jaggery Cart traffic is used for bringing goods from the interior but railway is the chief means of transport

MADHUBANI (population 18,789) is a trade mart

GAYA DISTRICT.

The district of GAYA has an area of 4,714 square miles and a population of 2,386,323 Languages spoken are Bihari and Hindustani Gaya experiences great extremes of climate and the average rainfall is about 43" The district is intersected by numerous tributaries of rivers and the soil is generally fertile, but agricultural prosperity depends mainly on irrigation

Area under crops in 1932 33 (in 1000 acres) Rice (842), wheat (144), bajra (7 5), barley (78) ragi (50) maize (39), gram (259), cereals and pulses (khasari, masur, peas, urid, arhar, mung) (425) linseed (75), rape and mustard (27), sugarcane (38), fruits and vegetables (42), total (2,064)

The industries are lac sugar, tassar, cotton, brass utensils, stone ware, gold and silver ornaments, blankets, rugs and carpets MANPUR KADIRGANJ DAUDNAGAR, etc, are the centres of those industries and they have a large trade with Calcutta Padlocks and brasswares are made at AURANGABAD Sugar industry thrives at JAHANABAD Mica is found in the district

The principal exports are food grains oilseeds, paper, opium, sugar (raw), mahua, saltpetre mica, lac, blankets, carpets, stone, brass, hides, tobacco and betel leaves The main articles of imports are salt, coal, coke, piecegoods shawls kerosene oil tea, cotton, timber, tobacco, iron, spices, fruits and foreign manufactured articles

The chief centres of trade are GAYA, TIKARI, GURUA, RANI GANJ and IMAMGANJ, RAJAVLI and AKBARPUR (in Nawadah) JAHANABAD and ARAWAL DAUDNAGAR, DEO, MAHARAJ-GANJ, TARWA, KHIRIAWAN, RAFIGANJ and JAMBHOR Most of the traffic is carried by railway, but cart traffic on the numerous excellent roads of the district is also considerable

GAYA (population 88,005) —All sorts of grains and seeds are obtainable here for purposes of export Tobacco of Gaya is a well known trade name and has got a wide market all over India There is also indigenous sugar making in the district and also in the town There is a big trade in ghee Gaya is an important centre of trade where marketing of various goods goes on both for import and export It exports large quantities of high quality molasses and chakigur to U P and Bengal Sugar from the numerous sugar factories that work here are also largely exported Potatoes and cauliflowers are available in abundance besides oil cakes, red-pepper, stone wares, plates, blankets, etc, which too form important articles of trade A variety of articles carved out of the black stone of Gaya are exported to different parts of the country and blankets can be obtained at convenient rates and in large number During the Pitripaksha Mela many Hindus from all over India assemble at the famous shrine of Gaya and perform their duties to their ancestors The Bodh Gaya temple is also a place of historical interest and is a great place of pilgrimage to the Buddhists in general all the world over

"Sketches of Indian Industries" discusses industrial situations and industrial ideals. Parts I & II Re. 1 each. Industry Book Dept., Cal.

NAWADAH —This town is situated on the South Bihar Railway of E I Rly from Gaya to Kiul Motka cloth and tasar cloth are woven here The articles of trade include all sorts of grains and seeds, molasses, chaki gur, jaggery, sugar, castor seeds, potatoes, onions, flax and flax twines, oil cakes, etc Jaggery of Nawadah has earned a reputation for itself beyond its immediate neighbourhood

WORSELEYGANJ —All sorts of grains and seeds are imported to this town from the surrounding country In the interior villages, indigenous methods of sugar making are practised and the products are brought to this town for sale Good rice is also obtainable here and the local bansmati sundried rice is famous Jaggery is obtainable in considerable quantities There are many sugar factories in the surrounding villages and large quantities of sugar are exported from here to the United Provinces Jaggery is exported to Burdwan Bankura, Hooghly Midnapur, Birbhum, Santhal Parganas and Singhbhum Imports into the town include flax, flax-twine, linseed, mustard seed, castor seed etc The bazar is close to the Railway Station It can be reached from Howrah via South Bihar Rly, with a change at Kiul junction The distance is 294 miles

HAZARIBAGH DISTRICT.

HAZARIBAGH is a district in the Chota Nagpur Division Its population is 1,515,997 and it has an area of about 7000 sq miles Acreage under crops in 1932-33 Rice 491,000, wheat 5,500, jowar 7,000, bajra 7,500, ragi 71,000, maize 80000, gram 12000, cereals and pulses 240,000, rape and mustard 60,000 sesame 6500, linseed 17,000, total seeds 124,000, sugarcane 10,000, total 1,73000 Important centres of coal production are Bokaro (1,399,261) tons), Giridih (761010 tons) and Karanpura (393,713 tons)

Exports of Hazaribagh include copper, catechu lac cocoons, bones hides, opium, poppy-seed, timber, etc , and it imports hardware, brass ware, piecegoods, machinery, machine stores, kerosene oil, grains, sugar, oilmen's stores and provision, etc

HAZARIBAGH (population 20,977) —The place is surrounded by hills and is very healthy It is reached by a motor bus service from the Hazaribagh Road Station on the Grand Chord line of the E I Rly It is noted for its mica mines, quartz and felspar, forming the bulk of the leginaute, and other mineral products There are also several flourishing lac factories All these articles are sent down to Calcutta On hat-days, seti-mustard seed, ganja, myrobalans, honey, wax, mohua, flower, oils and seeds, resin, cotton etc are obtainable in large quantities

GIRIDIH (population 21,122) —It is an important centre of trade in the Hazaribagh district and there are many mica producing works near-by and also in the town The chief articles of trade are rice, paddy, mohua seed and oil, janera, myrobalan, gur and mustard seed These articles are obtainable cheap on hat days It has also extensive coal fields The output of coal during 1934 was 761010 tons

MANBHUM DISTRICT.

The MANBHUM district contains a population of 1,799,154 in an area of 4,147 sq miles and the languages spoken include Bengali, Santhali, and Hindi

The district is rich in mineral products, specially in coal The JHERIA coalfield extends over an area of nearly 180 sq miles 9,057,546 tons of coal are raised here Gold washings are found Iron ore and copper ore are not uncommon It has forests also

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Acreage under crops in 1932-33 Rice 375,000, marua 10,000, maize 29,000, jowar 8,000, cereals and pulses 40,000, rape 11,000, sesame 8,700, cotton 2,600, total 549,000

Shellac, tassar-silk weaving, coarse cotton cloth weaving, brass utensils making, ornaments making, rope, cutlery and gum making form the diverse industries of the district Soapstone found in the CHANDIL thana is made into cups, images, dolls, etc

The chief exports are coal and coke, shellac, cutlery, gums, silk cloth, etc, are also exported The imports are salt, rice, gram, pulses, kerosene oil, cotton twist and piecegoods, molasses, sugar, tobacco, jaggery, tamarind, ghee, machinery, etc

The trade centres are PURULIA, JHALDA, RAGHUNATHPUR, ICHAGARH, GOBINDAPUR, NIRSA, etc

JHARIA —It is one of the greatest coal producing tracts in Bihar and Orissa The coal is exported to Calcutta for shipment and internal distribution A power hosiery and knitting mill has recently commenced operation here During 1933 the coal output in Jharia was 80 million tons

PURULIA (population 25 974) —The chief articles of trade of this place are rice and paddy as also lentil, wax, lac, cotton, honey, resin, myrobalans, sticks of buffalo horns, etc It is the Sadar Station and chief mart of the district and its large bazar supplies MANBHUM with imported goods

RAJAGRAM —The place is famous for silk cloths, cocoons lac, etc, which are exported to Bhagalpur, Murshidabad, Memari, etc

CHANDIL —The chief imports to this place from the surrounding country by carts are paddy, rice, lentil, mohua, honey, wax, cocoons, sal wood castor seed, lac, small bamboo etc, which are exported by rail The best quality Regulation Lathis obtained from the jungles close by are exported to the police stations of Bengal Bihar and Orissa Another important article of export is wood for axle of carts which can be had here at a convenient price Babul wood of the neighbouring forests are generally utilised for the purpose There are several lac factories here Goods are exported by rail and the health of the place is good

JHALDA —It is one of the chief centres of trade in the district The place is famous for lac which is largely exported to Calcutta Sabai grass which is largely used for the manufacture of paper is exported from this place in large quantities a kind of rope is also made from it There are coal mines also but they are not very important There is also a small mica industry, the products being sent down to Calcutta Like Chandil, Jhalda too sends out best quality sticks and Regulation Lathis to various parts of India Among its principal imports may be included paddy and shellac The many workshops and factories of shellac which flourish here send all their manufacture to Calcutta Besides these, there is a good trade in various other articles like mahua, ganja, dhuna (rosin), mustard seed, cocoons myrobalans, lentil, wax, etc Large quantities of coarse cotton cloths long cloths, napkins, etc, are woven here in handlooms and consumed by the local people and the population of the colliery districts

DHANBAD (population 16,356) —Situated in the coal district, it is a great coal centre exporting large quantities of coal to Calcutta and other industrial towns It is a growing town of considerable interest to traders

MONGHYR DISTRICT.

The MONGHYR district has an area of 3,927 sq miles and a population of 2,278,528 Languages spoken are Hindi and Urdu There are several places of historical interest here

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept., Calcutta.

The soil of the district is fertile and produces rich crops of rice, maize, wheat, gram, barley, indigo and tobacco. Agriculture is aided by irrigation and wells Area under crops in 1932-33 in 1,000 acres Rice (339), wheat (198), barley (82), ragi (50), maize (228), gram (215), cereals and pulses (497), linseed (30), rape and mustard (30), condiments and spices (88), sugarcane (8), fruits and vegetables (10 7), tobacco (6 3), total (1,881) The minerals obtainable here are silver, mica, iron ores and slate

The chief industries are fire arms and sword making, cotton weaving, dyeing, coarse blankets, boat making, soap boiling, sticks and jewellery from ivory and bone, basket weaving and gur making The East Indian Railway's Works at JAMALPUR (a growing town) is the largest manufacturing workshop in India where all the constituent parts of a locomotive can be manufactured The population there is 30,346

The traffic is generally carried by rail and river The chief centres of trade are KHAGARIA, GAGRI, MONGHYR, BARHAIYA, JAMALPUR, SHEIKPUR and BARIARPUR

The chief articles of imports are piecegoods, coal, coke, rice, sugar, etc, and the exports are gram, pulses, linseed, wheat, mustard, chilies, tobacco leaf, ghee, raw sugar, etc

MONGHYR (population 52,863)—It is a place of profitable business whose list of imports comprises such various commodities as gram and pulses, wheat peas and linseed, mustard seed, masuri, blankets, sticks, fishes, and cauliflowers, bajra and maize, various sorts of mangoes, catechu, onions stones slates, tiles, dishes, cups, rice (Kharapur), matki ghee, etc There are oil mills and flour mills for turning out atta and maida It is also a centre for cigarette making from local tobacco leaf and has a large factory for the purpose It is famous for the manufacture of guns and pistols of good quality The transport of merchandise is done by rail and by steamers

Cargo boats of large capacities are cheap and are used by East Bengal merchants to carry their goods There are a famous temple and a hot-spring near the town at SITAKUNDA

KHARAGPUR —It has got a very salubrious climate It stands on a very fertile tract and is noted for the production of best quality rice Besides rice, oil seeds, grain, jaggery, ghee, chillies, etc, are largely produced and are exported first by bullock carts to the stations and then by rail to other places Kharagpur has no industry nor any particular trade

JHAJHA —It stands on the main line of the E I Rly The bazar is very near the station The gur of the locality is of very fine quality and attracts many Bengal merchants here who purchase it from the surrounding village through brokers, as the article is not actually brought into the market for sale Country cigarettes called biris are made here The usual things brought to the bazar for sale are jute, sunn or hemp, mohua and mohua seed and oil, castor oil, mustard seed, ghee, linseed, etc These articles are generally collected by Mahajans and are sent away to different parts of the provinces of Bengal and Bihar

LUCKEESERAI —It is a prosperous trading centre situated on the bank of a river on the other side of Kiul junction on the main line of the E I. Rly The place has a mustard oil mill Gram, grains and pulses and oil seeds are imported here in abundance. Besides these, ghee, sugar, pulses, oil cakes, onions, garlics, potatoes, tobacco and chillies are obtainable in large quantities in the markets It has grown into a big centre of trade

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept, Calcutta.

KHAGARIA —It is an important mart in the Monghyr district Considerable quantities of grains and seeds, chillies ghee, turmeric, aniseed, cauliflower, and fishes are obtainable here Ghee of this place is famous for its high quality and is exported to Calcutta and other places Fish provides a most profitable business here, being exported in large quantities to Calcutta and other places in Bengal It is situated by the Ganges on the B N W Rly)

BEGUSARAI —The local bazar, is the chief trade centre of the district in all kinds of seeds and grains, e g, millet linseed oilcakes castor oil cakes, chillies and mustard seeds gram, maize, masuri, khesari arhar and peas, etc All these articles are brought here from the interior and exported to other places chiefly to Bengal Ghee obtained here is of the best quality and chillies are imported here in large quantities, generally on market days

BAKRI BAZAR —Is visited by merchants desirous of buying chillies It is said that, if required the Bazar can supply thousands and thousands of maunds of chillies in season time It is 12 miles away from Begusarai

PARIHARA —The ghee of the place has a large sale in Calcutta and has a good name It is 8 miles from Lakmonia Station which is reached from Monghyr Ghaut Station, and 2 miles from the famous Bakri market It stands on the river Gondak and goods are carried by boats

JAMUI —It is the third sub division of the district It attracts many Bengal merchants chiefly from Lower Bengal who come here to buy gur which is of good quality Besides gur, business is carried on here in mahua (seed and oil), linseed ghee and sal leaves

MUZAFFARPUR DISTRICT

The MUZAFFARPUR district has an area of 3036 sq miles and a population of 2904182 who speak mostly Hindi and Urdu The climate is dry and hot, but not extreme The district is healthy The average rainfall amounts to about 48"

The soil is alluvial and fertile Acreage under crops in 1932 33 Rice 870000, wheat 126000, barley 517000 ragi 100000, maize 292000, gram 52,000, cereals and pulses 165000 linseed 57000 tobacco 41000 fruits and vegetables 80000, total 2660400 Other crops are sugarcane, poppy, and thatching grass Cultivation is helped by canals, wells and tanks

The important industries are coarse cloth making carpet making, pottery, mat, cart wheels, palanquins, cutlery indigo and sugar refining There are several sugar and indigo factories Tobacco and saltpetre are also important manufactures

The chief exports are indigo sugar, oil-seeds, saltpetre, hides, ghee, opium, tobacco, fruits and vegetables The imports are salt, cotton goods, hardware, coal and coke, kerosene oil maize, millets, rice and food grains, indigo seeds, motor cars and accessories, timber, etc

The chief trade centres are MUZAFFARPUR, HAZIPUR LALGONG, SITAMARHI, SURSAND, SAHIBGANJ, BELA KUNTAL, etc.

MUZAFFARPUR (population 42,812) —It is the chief industrial town of North Bihar The surrounding country is very fertile There are several iron works, sugar factories, orchards and ice and oil mills The products of surrounding country include tobacco, garlic, onion, chillies, hides, butter saltpetre, ghee, khari-salt, sugar, turmeric, blankets, lichees, mangoes, cauliflowers, etc Cartloads of timber, hides of cattle, sheep, buffaloes, goats, chamars, blankets, lentil, wax, honey, and saltpetre are brought down for sale from the Nepal-Terai by the Nepalese

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on market days In exchange these people take with them utensils, hardware, salt, kerosene oil, cloths, spices, tea, etc

The town manufactures coarse cloth and towels, and blankets are available here at a cheap rate There are still several indigo factories Goods of agricultural produce are brought from the interior by carts and are exported by rail to other parts of Bihar and Bengal Wooden palanquin and cart wheels are made here in large number and sent out to different parts of the country The lichees and mangoes of Muzafiarpur are famous and represent well known trade names, exports being mainly to Calcutta, Darjeeling and other places in Bengal and the up country Sugar is exported on a large scale to Bengal, U P, and C P, while treacle (for the preparation of tobacco) exported to Bishnupur, Gaya, Monghyr, Patna, Bhagalpur Benares and other places

BAIRAGNIA —Though a small place, it is a trade centre of considerable and growing importance It is a large grain and oil seeds depot Dealers of the plains and the hills of Nepal come here

SITAMARHI —Besides all sorts of grains and seeds, ghee, bheli gur, jaggery, sugar, red pepper etc, are available here in large quantities Bheli gur and jaggery have a reputation in the market and a kind of soft ghee is available here in considerable quantities There are several saltpetre factories sending saltpetre down to Calcutta There are a rice mill a jute mill and a mustard oil mill Sitamarhi is a flourishing centre of trade Linseed mustard seed and castor seed which are brought here in large quantities from the neighbouring countries are exported to Calcutta and Bombay and spices medicine hardware and stationery articles, and cloth thread kerosene oil are the chief imports from Calcutta and other places Goods are carried by rail

SONEPUR —The famous mela of Harihar Chhatra during Rashpurnima occurs in Kartik (October November) The mela is a great mart for horses elephants and cattle Tree crafts are sold and various articles of arts and crafts are also offered for sale

HAJIPUR (population 19 209) is famous for unrefined sugar which is largely used by people of Bengal (high castes) Chutneys of fruits of this place are also famous and are sent to places in Bengal, Bihar, and U P There are several sugar factories and the unrefined sugar is largely exported to East Bengal, Calcutta Benares, United Provinces, and C P by rail and also by steamers Boat traffic is also prevalent Plantains and mangoes are available in large quantities There are a few distilleries

BARAJBAZAR —There are several sugar factories here the products of which are largely exported The molasses of this place are sent chiefly to Bishnupur in Bankura and also to Gaya for use in mixing and preparing Indian tobacco Among imports into the place worthy of mention are salt, kerosene oil, piecegoods and hardware which are brought in large quantities from Calcutta generally The exports and imports are carried by railway

Four branches of the B & N W Rly pass through the district Transportation is by railway and boats and also by carts, for which there are good roads penetrating the interior

PALAMAU DISTRICT.

The PALAMAU district in the Chota Nagpur division consists of a confused aggregation of hills which are offshoots from the Chhota nagpur plateau It is 4,916 sq miles in area and contains a population of 819,037 The Sone and the Koel are the chief rivers It has a moderare temperature and a good climate; average rainfall is about 50"

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Acreage under crops in 1932-33 Rice 175,700, barley 42,500, maize 66,800, gram 93,600, cereals and pulses 230,900, linseed 15,800, sesamum 53,700, rape and mustard 23,600, condiments and spices 3,300, total 781,400

Coal is found at AURANGA, DALTONGANJ, etc Iron ore, laterite, graphite, copper are also found but remain unworked owing to lack of proper transport facilities Limestone is extracted on an extensive scale There is also a large coal supply in the district

Ghee, tassar silk, lac and coarse cotton making are the main industries The chief exports are hides, lac, ghee, oil-seeds, bamboos, catechu and coal and the imports consist of piece-goods, salt, brassware, sugar, kerosene oil and rice Ghee, mustard seed and hides are brought in from Sirguja State The trade is carried on by pack bullocks except in the neighbourhood of the railway stations

DALTONGANJ —It is an important centre of trade in the district

GARHWAL —Mustard seed and ghee are imported from Sirguja for sale on Saturdays The climate of the place is also very good, and articles of everyday use also are comparatively cheap

Other trade centres in the district are HARIHARGANJ, HUSAINABAD, PATHRA, and CHANDWA

PATNA DISTRICT

The PATNA district extends over an area of 2,114 sq miles and have a population of 1,844,397 souls Average rainfall 50"

Soil of the district is alluvial in character and is extremely fertile on the river bank (the Ganges) Acreage under crops in 1932 33 Rice 359,000, wheat 56,000, bajra 22,000, barley 76,000, maize 69,000, gram 240,000, cereals and pulses 362,000, linseed 23,000, rape and mustard 16,000, condiments and spices 5,400, sugarcane 16 000 fruits and vegetables 31,500, total 1,326,000 Hindi, Urdu and Bihari are the languages spoken

The industries are carpet weaving, brocade embroidery, pottery, brass work, toys, fireworks, lac ornaments, gold and silver wire and leaf, glassware, boots and shoes and cabinet ware Carpets are made in SULTANGANJ and DINAPUR There are some iron foundries also

The imports are rice, paddy, salt, coal, kerosene oil, piece-goods and gunny bags. The principal exports from the districts are wheat, linseed, pulses, mustard seed, hides, sugar, tobacco and opium Traffic is carried on both by railway and steamers, country boats are used to carry on trade with the Nepal Terai Other important markets are DINAPUR, BARH, MOKAMEH, ISLAMPUR, FUTWA and HILSA

BARH —The imports into this market include all sorts of grain and seed besides tobacco, potatoes, onions, garlic, chillies, good rice (bansumati sundried), oil cakes (ghani expressed) etc Tobacco and chillies come chiefly from Darbhanga and big merchants from East Bengal come here to purchase chillies only Goods are easily and conveniently transported from the market which stands on the river Ganges The place is well known for the manufacture of Jasmine oil

PATNA (population 159,690) —Patna City is the seat of the Government of Bihar and Orissa It is an important junction on the main line and is the largest city in Bihar It is the chief centre for grain and salt

Among the most noteworthy industries carried on in the city besides opium, mention should be made of oil and flour milling, cotton weaving, carpet making, glass manufacture, gold and silver embroidery, stone cutting, lapidary art, wood-carving, jewellery, etc Other smaller industries are shoe-making, utensils, iron workshop, etc There are many mills and factories in the town.

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The principal imports are salt, coal, kerosene oil, rice, foreign piece-goods and gunny bags while the principal exports are wheat, linseed, grain, pulses, mustard seed, hides, molasses and unrefined sugar, raw tobacco and opium A large portion of this trade finds its way along the railways, but the greater amount is transported by river The city is conveniently situated for the purpose of transport either by river or railway It possesses normally a river frontage of 5 to 6 miles and its central position near the junction of three great rivers, viz, the Ganges, the Gondak and the Sone, where the traffic of the United Provinces meets that of Bengal, gives it great natural advantage as a distributing centre Goods coming up by rail from Calcutta are here taken over by country boats, bullock carts, etc, and distributed throughout the neighbouring tracts, which in turn send their produce to be railed or shipped to Calcutta, Nepal and elsewhere

DINAPUR (population 24,221) —Dinapur town is a cantonment and about 3 miles from Patna The health of the place is very good

The chief products of Dinapur are gram, masur, wheat, castor seed oats, linseed, chillies, chaki gur, barley, khari masur, potatoes, cabbages, mangoes, butter, hides &c Dinapur is famous for its butter, potatoes, and khari masur Potatoes are exported to Burdwan, Memari, Bolepur, Pandua, Mogra, Gushkara, Chinsurah, Tarakeswar, Sheoraphuli and Calcutta in Bengal They are also exported to Dacca, Chandpur, Narayanganj, Comilla, Noakhali, Pabna, Bogra and other places in Eastern Bengal Cauliflowers are also similarly exported from here Business in crude gur (chaki gur) is also profitable The local jaggery has a fine colour and finds a good market in eastern and western parts of the country The Mango business begins from the month of Jaistha and different varieties of mangoes such as Langra, Bombay, Malda, &c are largely exported The khari masur is exported in large quantities to Eastern Bengal, and Dinapur butter is a well known article in the Calcutta market where it is exported daily in tins by rail Good shoes and boots are manufactured in the Cantonment at Dinapur and exported to different parts of the country Besides, here are made various kinds of table cloths, napkins, towels of damask pattern, of mat pattern, and of bird's-eye pattern which find a ready market

DIGHAGHAT —The place is chiefly noted for potatoes, cabbages, onions and mangoes, etc though various sorts of grains and seeds are also imported here It is connected with the B & N W Rly on the opposite bank by a steamer ferry It is 344 miles from Howrah railway station The station and the bazar both stand on the Ganges

BIHAR (population 46,904) —The bazar is a most important mart where potatoes, jute, flax, flax-twine, jaggery, chaki-gur, molasses, country sugar, ghee, blankets, oil-cake, mustard seed and other grains and seeds are available in large quantities It is also an important place of art manufacture Soap, tassar cloth hookka pipes, fine dhoties and various kinds of check, chintz and brass utensils are available The flax business of the place is a flourishing one and considerable quantities of flax are exported to Bhadreswar, Mogra, Sheoraphully, Burdwan, Calcutta and other places in Lower Bengal Large quantities of potato seed are also available here and potato is exported from here to Asansol, Raniganj, Burdwan Sainthia, Bolepur, Memari, Chandernagore, Calcutta and other places in Lower Bengal Coarse cloths are woven and largely exported to the markets in the colliery districts and to Patna, where it is coloured red and sold as "Patnai Kherua" The napkins of this place are famous and are exported to Calcutta Fine cloths are also manufactured in large quantities and exported to Patna, Monghyr, Bhagalpur and other places Various sorts of cloth are produced in the

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Government weaving factory here Many cooly-contractors export blankets from this place

MOKAMEH —It is famous for big-sized grains and seeds of exceptional quality which are imported there in large quantities, but these seeds are mixed with particles of dust Grams and other seeds and grains, chillies, pulses, tobacco, onions, potatoes, oil-cakes, garlics &c are also available in the bazar in large quantities Means of transport are steamer, rail, and boats

PURI DISTRICT.

The PURI district extends over an area of 2,499 sq miles and has a population of 1,034,301 Uriya, Bengali and Hindi are the languages spoken in the district Average annual rainfall is 58"

Soil is fertile but the district is subject to occasional floods The chief crops are rice, kulthi, mung, birni, mohua, castor oil sugarcane, cotton, indigo Acreage under crops in 1932 33 Rice 628,500, coconut 25 500, pulses 21,000, total oil seeds 35 000, fruits and vegetables 50,160, total 754,000 Betel leaf, tobacco and vegetables are largely grown. The chief industries of the district are tassar and cotton cloth weaving, brass and bellmetal utensils making

Brass, gold and silver ornaments and wicker work baskets are made Coarse sugar is also prepared from sugarcane The chief exports are rice, gram, pulse, unrefined sugar, coconuts, brass, silk and the imports are raw cotton, piecegoods, refined sugar, spices, nuts, iron, tobacco, salt, kerosene oil and copper The chief centres of trade are PURI, SATYABADI, PIPLI, BALAKATHI, KHURDA and BAUPUR

PURI (population 37,568) —There is the famous temple of Jaggarnath on the sea coast Pilgrims assemble here during the Rathajatra festival (in July) and also during the Doljatra ceremonies (in February) and make purchases of various articles of brass utensils and cloths There is a dak bungalow

B N Rly crosses the district and is well supplied with good roads

PURNEAH DISTRICT.

The PURNEAH district is in the Bhagalpur Division and contains a population of 2,187,042 in an area of 4,998 sq miles Hindi is the language spoken Climate is good and average rainfall is about 72"

The chief crops are rice, pulses, oil-seeds (mustard), jute, etc Acreage under crops in 1932-33 Rice 624,000, wheat 56,000, maize 143,000, gram 58,000, cereals and pulses 62,000, rape and mustard 112,000, condiments and spices 2,500, sugarcane 8,600, jute 106,000, tobacco 66,000, tea 2,000, fruits and vegetables 22,000, total 1,317,000 Photas (rough coloured cloth), mats, cart wheels, gunny bags are made in the KISHANGANJ Sub-division The chief exports are rice, grams, jute, oilseeds and tobacco. Imports are rice, paddy, food grains, sugar, salt, piecegoods, kerosene oil, gunny bags and coal The chief trade centres are FORBESGANJ, RANIGANJ, KASBA, PURNEAH, KATIHAR, BARSOI, KISHANGANJ, KHARKHARI, etc The district is famous for its jute production, tobacco and mustard seed Matihar "gach" tobacco is produced here Kajla mustard seeds are available in this district in large quantities

PURNEAH (population 15,474) —Merchants from Nepal bring their local goods by carts to the markets of Purneah and get piecegoods and other foreign articles in exchange, cloth, salt and kerosene oil are taken away by them Musk and honey are largely obtainable here It has indigo factories and tanneries Hides and bones are exported from this place to Calcutta by rail The climate of the place is generally good and food articles are generally cheap A big fair is held here during

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January-February where agricultural products and live-stock besides foreign articles are exhibited for sale

KATIHAR (population 15,864) is an important trade centre

Other chief centres of trade are KISHANGANJ, KATIHAR, BARSOI, SONALI, FORBESGANJ and KASBA

The E B Rly (metre gauge) crosses the district There are good roads for transport

RANCHI DISTRICT

The RANCHI district is mostly hilly and is included in the Chotanagpur division of Bihar and Orissa It has a population of 1,571,880 in an area of 7,102 sq miles Hindi, Moodari, Uraon, and Kharia are the languages spoken Acreage under crops in 1932-33 Rice 978,000, ragi 70,400, maize 20,000, cereals and pulses 341,500, rape and mustard 21,000, sesamum 9,000, total oil seeds 131,000, cotton 16,400, tea 2,100, fruits and vegetables 40,000, total 1,614,800

Lac is common here in the KHUNTI Sub-division which contains forests, the products of which are also marketed The lac produced on the kusum tree fetches the best prices, two crops being produced a year, in the hot weather and again in the cold weather Tea is grown and manufactured in the district Shellac making is the chief industry of the district and gold (in small quantities) and mica and coal are the chief minerals obtainable here Coal is mined near Karanpura

There are about 150 miles of good metalled roads The bulk of the trade from the interior is carried by trains of pack bullocks on the roads

The town is now the summer capital of the Bihar and Orissa Province and is connected by a branch line of the B N Rly It is a chief trading centre of agricultural and mineral products of Chotanagpur Papaya, cabbage, peas, beans, potatoes, jhinga, brinjal, pumpkin, etc, are extensively grown about the town and are exported Bananas and papayas of this place are very sweet and are heavy in weight and red pepper and products of the Junar Hills are sold in the market Kusum flower trees yielding good lac are seen here Many kinds of grasses suitable for the production of paper are obtainable here in abundance Sankha til is obtainable here in large quantities Local ghee is pure, good and cheap Cultivation and gardening are profitable in Ranchi and its neighbourhood The traders are chiefly Marwaries and Bhativas

Chief exports from Ranchi are grains and pulses, rice, hides and skins, lac stick, oilseeds, tea (in small quantities), timber, bones, myrobalans etc, and the chief imports to Ranchi consist of cotton, twist, piecegoods, rice wheat wheat-flour, lime, kerosene oil, salt, sugar, mohua flowers, tobacco, gur etc

Other commercial centres of the district of Ranchi are intimately related to it for its lac industry There are numerous shellac making factories here The health of the place is generally good

SAMBALPUR DISTRICT

The SAMBALPUR district extends over an area of 3,284 sq miles in the Orissa Division Its population is 880,758 Uriya, Bengali, and Hindustani are usually spoken The climate of the district is moist and is generally unhealthy but temperature is never excessive Average rainfall amounts to about 60"

The land round Sambalpur town and the north of the Mahanadi surrounding Bilaspur, is most fertile The chief crops grown are rice til, pulse, urid, kodan, cotton and sugarcane Acreage under crops in 1932-33 Rice 775,000, cereal and pulses 54,000, sesamum 54,000, sugar-

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cane 6,300, fruits and vegetables 14,500, total 926,000 The forests contain sal and bamboos and other timbers A coal field is also situated at HINGIR-RAMPUR Quantity of coal mined in 1934 was 28,128 tons Iron ores occur on the hilly country and minute quantities of gold are obtained by sand washing Antimony and mica also exist

Tassar silk weaving is the important industry Plain and drilled cloth are woven at REMENDA, BERPALI CHANDERPUR and SAMBALPUR for local use generally, bell metal industry is carried on at TUKRA Brass pots and iron implements are also made

The exports are rice (staple), oil seeds, sleepers, dried meat and sunn-hemp The imports are salt, sugar, gur, kerosene oil, cotton cloth, silk, wheat, gram, pulses arahar, etc

Local trade is done in weekly markets at SAMBALPUR and BARGARH Cattle fairs are held at BHUKTA and JAMRULA, a large mart for oilseeds is DHAMA, TARATIA is the timber mart BHIKANPUR is a mart for selling iron implements, NARSINGNATH and HUMA are centres of grain and cattle trade

SAMBALPUR town lies at the head of the Mahanadi and has a population of 15,017 It is a commercial centre of the district as well as for the neighbouring States It has a depot for cooly immigrants for Assam tea gardens Weaving of tassar and cotton cloth is the chief industry It is the Sadar Station and headquarters of the district The station stands on B N Ry and is 413 miles from Nagpur and 350 miles from Calcutta

SANTHAL PARGANAS.

The SANTHAL PARGANAS district is generally hilly and undulating The district is crossed by numerous streams and rivers The average annual rainfall is about 55" The district occupies an area of 5,479 sq miles and has a population of 2,047,349 Santhali, Hindi and Bengali are the languages one commonly hears

The soil varies with the nature of the surrounding hills and has many fertile valleys The crops grown are maize, mustard seed, cotton, tobacco, castor, brinjals and other vegetables, rice, millet, wheat barley sugarcane, etc Acreage under crops in 1932-33 Rice 903,000, cambu 45,000, maize 183,800, gram 34,800, pulses 172,000, linseed 31 400, sesamum 20,000, rape and mustard 57,500, total oil seeds 134 000, cotton 12,000, total 1,947,000 The district suffers from scarcity of fodder during the dry months The chief forest products are sal and mohua Besides these stone is quarried, coal mines, copper ores, lead ores, iron ores also occur A portion of the Raniganj coal area falls under this district, the local output being 114,756 tons Another centre of coal mining is Jainty having an output of 42,717 tons About 450,000 tons of stones chiefly igneous rocks are quarried in Santhal Parganas

Mattocks, picks, ploughs, hooks, knives, etc, are manufactured, tanning baskets, bamboo mats, cloth screen are also made, ghee, sugar, gur, oil, lac (shellac) are prepared

The chief imports are rice, gunny bags raw cotton, sugar, molasses, piecegoods, salt, kerosene oil, coal and coke The chief exports are food grains, linseed mustard seed, sabai grass, lead metal, hides, raw fibres and tobacco The principal mart is SAHEBGANJ (E I R Loop) 20,000 mds of sabai grass are sent to the paper mills from here Hide trade and lac business are carried on at DUMKA and PAKUR

DEOGHAR —Big size arhar known as Maghi arhar is available here in large quantities Rice and paddy, jute, mustard seed, castor seed, ghee, til, myrobalans, linseed, mahua (seed and flower both) and other articles from the rich valleys around are brought for sale It has got several flower gardens whence roses are daily sent down to

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Calcutta It contains the temple of Baidyanathji and people assemble there specially during Shivaratri in March and Jhulan in August Ghee and curdled milk as also chirrah (pressed rice) are obtainable here in abundance and are of good quality

MADHUPUR —It is a health resort some 200 miles from Calcutta It stands on the E I. Ry main line The local hat is held twice a week close to the railway station On hat-days there is an abundant supply of rice, paddy, arhar, mahua flowers and seeds, myrobalans, timber, goats and fowls Food grains and raw materials, tamarind mustard seed, etc, are also available in sufficient quantities Madhupur exports large quantities of mahua flowers and seeds and myrobalans to Howrah

PAKUR —It is an important trading centre Export business is carried on with Calcutta and other places in Bengal, and the exports chiefly consist of rice, paddy, gram, peas, castor seed, dal, chillies, onions, potatoes, turmeric, linseed oil-cake, jaggery, ghee, &c On 'hat' days the Santhals come with myrobalans, wax, honey, cocoons, bamboo-rods, lentil, mahua seed, chantamul (Hemedesmi), &c, which can be conveniently purchased in exchange of provisions One of the profitable business here is the extraction of stone ballast from the quarries of which there are several in the place The stone ballasts for metalling roads are exported to municipalities, railways and district boards Of the several lac factories, that once flourished here, only two now exist

The other trading centres are SIMULTALAH, RAJMAHAL, SAHEBGANJ (population 15,883), DUMKA (the headquarters, at a distance of 30 miles from Rampurhat a station on the E I Ry), BARHARWA, MOHESHPUR, etc There are shellac factories at NANIHAT, whence sufficient lac is sent to Calcutta There is also a hat at SARATH where chirrah is brought and sold in large quantities

SARAN DISTRICT

The SARAN district in the Tirhoot Division extends over an area of 2,683 sq miles It is a beautiful wooded plain, highly cultivated and densely populated Its population is 2,483 404 Language spoken is Hindi It is very fertile and is intersected by many water channels Average rainfall is about 45" The chief crops raised are rice, barley, maize, khesari, pulse, linseed, mustard seed, sugarcane, opium (premier district) Acreage under crops in 1932-33 Rice 320,000, wheat 94,000, barley 225,000, ragi 34,000, bajra 5,000, maize 205,000, gram 52,600; cereals and pulses 321,000, linseed 69,000, sesame 8,000, rape and mustard 12,000, condiments and spices 12 000, sugarcane 59 000, cotton 15,000, fruits and vegetables 80,100, total 1 569 000 Cattle is poor Salt, saltpetre glauber's salt, potter's clay are also available

Coarse cloth is woven Brassware of SIWAN is famous as also pottery of the place Saltpetre is made Several sugar factories are situated in the district Shellac and indigo are also manufactured Imports of food grains largely exceed exports Rice milling is done

The principal imports are rice, other food grains (from Mirzapur, Darbhanga, Bhagalpur), cotton piecegoods, salt, kerosene oil, coal and coke The imports are opium sugar, indigo, saltpetre, shellac, molasses linseed, mustard seed, gram, pulses and other food grains Traffic is carried by railway

CHAPRA (population 47,448) the district headquarters, is a river port on the north bank of the Ganges It is one of the important marts in the district and gram, wheat, linseed, mustard-seed, jaggery, molasses, tobacco, chillies, potatoes, onions, sugar, turmeric, poppy-seed, arhar, oilcake, castor oil, khari salt, maize, garlic, butter, blankets hides,

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etc are brought here for sale in abundance Salt-petre, khari-salt, ghee, castor oil cake, potatoes, sugar and arhar dal of Chapra are well known and have got a more than local reputation Saltpetre business is carried on almost throughout the year and is most profitable, and large quantities are exported to Calcutta The local handicrafts consist of weaving of coarse cotton cloth (exported to Patna and the colliery district), and blankets (which are produced in abundance and exported to Calcutta and other places) Goods are transported by steamer, rail, and boats

The other principal marts are REVELGANJ, SIWAN, MAHARAJGANJ, MIRGANJ, DIGWAR, SONLPUR (where the famous cattle and horse and elephant fair is held during November) and MARHAURWA and PANCHRUKHI The district is fairly well supplied with railway and good roads

SHAHABAD DISTRICT.

The SHAHABAD district in the Patna Division has an area of 4,353 sq miles and a population of 1,991,061 Hindi, Urdu and Bhojpuri are the languages of the district

The district consists of two distinct tracts differing in climate, scenery and production The temperature of the district is extreme but the climate is healthy Average rainfall is about 45 Clay is the predominating soil but is mixed with sand at several places

The chief crops are rice maize or mokai, marua, jowar, bajra, cereals and pulses (wheat, barley, oats, gram and linseed), poppy and sugarcane Acreage under crops in 1932 33 Rice 606 000, wheat 245,000, barley 104,000, bajra 15,000, gram 323 000, cereals and pulses 500,000, linseed 106 000, rape and mustard 12,000, condiments and spices 6 500, sugarcane 38 000, fruits and vegetables 38 500, total 2 062,000

Sand stones, slabs and lime stones occur near Rohtasgarh in the district About 225,000 tons of lime stone are quarried annually

Sugar is manufactured at NASRIGANJ and JAGDISHPUR Iron sugarcane mills are made at BIHIYA Carpets and pottery are made at SASARAM (population 25,175) Blankets and cotton cloth are also woven Boatmaking, stone cutting, flour grinding and sugar refining are the other industries there Carpet weaving is carried on at BHARUA

The imports are rice gram, other food grains piecegoods, kerosene oil, coal, coke, etc The exports are wheat gram, pulses, oil seeds, raw sugar and gur

The chief trade centres are ARRAH (population 48,922), BIHFA, BIHTA, DUMRAON, BUXAR and CHANSA

The traffic is carried by rail mainly, but there are good roads also throughout the district The Ganges is navigable throughout the year and considerable local trade also passes by it

SINGHBHUM DISTRICT.

The SINGHBHUM district in the Chota Nagpur Division occupies an area of 3,938 sq miles and contains a population of 932,963 Bengali, Urdu, Uraon, Sonthali and Mundari are the languages spoken here The average rainfall is about 54" More than 1,200 sq miles are under Government reserved forest

The chief crops are rice, oilseeds (rape, mustard, sarguja), maize, marua, millets and cotton Acreage under crops in 1932-33 Rice 473,000, maize 24,000, gram 25,000, cereals and pulses 112,000, oilseeds 42,000, total 696 100

The district is very rich in minerals Extensive deposits of iron ore occur in the district and are mostly treated by Tata Iron and Steel

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Works at Jamshedpur Copper ores exist here, gold is found, limestone and kankar are also found here

The chief exports are sal, paddy and rice, oilseeds, stick lac, iron, tassar, silk-cocoons, hides and sabai grass The chief imports are salt, cotton yarn, piecegods, tobacco, brass utensils, sugar, coal, kerosene oil and coke Trade is gradually increasing, and timber in increasing quantities is sent away from the district The district is well provided with rail (B N R) and good roads The road from Chakradharpur to Ranchi is kept in good order

CHAIBASSA —It is the Sadar Station of the district and the distance of 194 miles from Calcutta is reached from Howrah station to Chakradharpur via Kharagpur or via Asansol on B N Rly The town is 16 miles from the station which is covered by a convenient motor service The place is hilly and healthy The adjoining country produces paddy, rice, silk, lac, tassar, wax, honey, mustard and castor seeds, stone utensils, etc It is noted for timber and rice and rice from this place is exported to all the coal fields Sal timbers are largely obtainable here and are purchased by merchants from Calcutta and other places Agricultural products are brought to this place by carts and are exported to different places by rail

RAIGARH —It is 365 miles from Calcutta on the B N Ry Myrobalan sal wood wax til dhuna, seti, kajla mustard seeds, etc, are the chief articles of trade here It is a well known mart in the district Forests are many in the neighbourhood and various forest products are available here besides sal timber, business in which is a highly profitable one Kat til can be had here in plenty Goods are sent away by rail

TATANAGAR (population 83 738) —It is one of the most important industrial towns of India and is the seat of the iron industry in India It stands on the B N Ry The iron and steel works of Messrs Tata Iron and Steel Company are situated here The rapid development of this modern town in the last ten years is a remarkable achievement In 1931 the company engaged nearly 42,000 operatives Its output of semi-finished and finished articles was nearly 666,000 tons in 1931 and its sales yielded Rs 5,06 lakhs

Another subsidiary company which has started work is the Agricultural Implements Company, with a small and compact factory equipped with the most modern machinery for the manufacture of agricultural implements, such as pickaxes, hoes, etc This company obtains its steel from the Tata Steel Company Their plant is now at work The picks, whether for miners or for road makers are of excellent quality, with special hardened steel points Other subsidiary factories which have been established along this branch, for the purpose of drawing their materials from the Steel Works are the Enfield Cable Company, the Enamelled Plate Company, the Peninsular Locomotive Company, the Calmoni Jute Machinery Factory, the Hume Pipe Company and the Indian Steel Wire Products Company Tin Plate Factory Company at Golmuri manufacture tin plate for tin containers

BIHAR AND ORISSA FEUDATORY STATES

The CHOTA NAGPUR States comprise of two States, viz Saraikela (population 1 38,671) and Kharsawan (population 43,110)—the two together having a total population of 181 781

The FEUDATORY STATES OF ORISSA consist of a group of 24 dependent territories attached to the Division of Orissa, and comprise the following states Athgarh (50 148), Talcher (69,631), Mayurbhanj (886,745), Nilgiri (68,598), Keonjhar (460 667), Pal Lahara (27,957), Dhenkanal (284,328), Athmallik (64,276) Hindol (48,897) Narsingpur (40 882), Baramba (46,689), Tigiria (24,830), Khandpara (77,930), Naya-

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garh (142,399), Ranpur (47,713), Daspalla (42,650), Band (135,248), Bamra (151,259), Rairakhol (35,715), Sonpur (237,945), Patna (566,943), Kalahandi (513,675), Gangpur (356,388), Bonai (80,144) They have a combined population of 4,461,675 and a total of about 30 thousand square miles

Crops:—The States form a succession of hill ranges rolling backwards towards Central India The intermediate valleys yield rich crops in return for negligent cultivation and a vast extent of land might be reclaimed on their outskirts and lower slopes Cultivation is, however, rapidly extending in all the States, owing to improved means of communication and to the pressure of population in the adjoining British districts The principal rivers are the Mahanadi, the Brahmani the Baitarani, the Burabalang, the Ang and the Tel

The staple crop is rice, of which generally speaking two varieties are grown, viz, aus or biali reaped in September and aman or sarad, the late winter rice and chief crop of the country This principal food crop is supplemented by millets, such as china, mandia or marua, etc, and maize and pulses form a large portion of the dietary of the people, including birhi, mung kulthi, arhar and gram The chief oilseeds grown are mustard, sesamum and castor seeds castor oil being sometimes used by the poorer classes for cooking Sugarcane is extensively cultivated and a considerable export trade is carried on in the sugar manufactured Wheat grows luxuriantly in the hill area of the Kalahandi State Cotton is largely grown, but is mostly of an inferior quality, a good deal of it is locally manufactured for home use, but a certain quantity is exported Tobacco is raised on the rich silt deposits of rivers and near homesteads where cattle manure is plentiful Turmeric is extensively grown for export and all the ordinary vegetables are cultivated, the commonest being the brinjal or egg plant and pumpkin The forests produce various edible roots such as the large yam (Panda), arrowroot (tikhuri)

Minerals:—The basin of sedimentary rocks known as the Talcher coal-field extends about seventy miles with a general breadth of from fifteen to twenty miles It comprises nearly the whole of Talcher, and a considerable portion of RAIRAKHOL, with smaller parts of ATHMALLIK, and DHENKANAL In several places in the Talcher field, iron is worked Sometimes the iron stones of the Damodar beds are used, but more frequently surface concretion, the supply of which is necessarily limited The method of smelting the iron in small furnaces is similar to that in use in other parts of India, but the bellows employed are worked with the foot The KEONJHAR State is believed to contain good deposits of iron The enormous resources of iron ore in the GURUMAHISINI hills in MAYURBHANJ State are well known and are exploited by the Tata Iron & Steel Co at Jamshedpur Lime stone quarries are worked near BISRA along the banks of the Koel river in the north-eastern portion of Gangpur Lime of excellent quality is produced and exported to Calcutta and elsewhere Deposits of manganese are found in several parts of this State Graphite of good quality is found in KALAHANDI State Graphite is also found in ATHMALLIK and PATNA Bauxite is found in this State as a superficial deposit Dolomite deposits in GANGPUR State have been worked Manganese in fair quantity is found in the same State The granite quarries in the NILGIRI State have been exploited The hills bordering on BALASORE consist entirely of metamorphic rocks of various kinds A kind of black magnesia rock intermediate in composition between potstone and serpentine, approaching the former in appearance, but less greasy in texture is quarried to some extent,

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chiefly for the manufacture of stone dishes, plates and bowls The stones are roughly cut into shape in the quarry, and finished, partly with tools and partly on a lathe, in the village

Cattle:—Buffaloes and bullocks are employed in ploughing, cows and she-buffaloes are prized for their milk

Industries:—Sericulture is also being carefully and scientifically carried on in the States of MAYURBHANJ, DHENKANAL and KEONJHAR, both shrub and tree mulberry are grown

The States are not remarkable for any very special manufacture, at KANTILO in the KHANDPARA State and in the NARSINGPUR State a considerable manufacture of brass utensils is carried on, these find their way throughout the States, but are entirely of the ordinary pattern and in no wise remarkable either for design or workmanship The next most important industry is the weaving of tussar cloth at SONPUR and BINKA in the SONPUR STATE

Silk and cotton cloth of excellent quality and artistic patterns are manufactured at MANIABANDHA in the BARAMBA STATE In the States of RAIRAKHOL and ATHMALLIK a considerable number of blacksmiths find occupation in smelting iron, which is of excellent quality and highly valued In BAND, DASPALLA, DHENKANAL, KHANDPARA, MAYURBHANJ and TALCHER blacksmiths make, for local use, iron implements, such as axes, bill-hooks, crowbars, shovels, spades, sickles and knives some of which are very well turned out In DHENKANAL and NAYAGARH ivory work of good quality is still made by two families, and in BAND there are skilful silversmiths In BONAI the Bhumij fashion utensils from the soap stone found there, and similar vessels are manufactured in the NILGIRI STATE In almost all the villages of the States are found the local cotton weavers, the cloth woven is very coarse, it is however, very much more durable than the mill made article The villages are self-contained with their own blacksmith, potter, carpenter, etc

Traders in the States are represented by itinerant dealers from the British districts, there are but very few local traders Trade is carried on principally in rice, pulses, oil seed, etc, and timber, and other forest produce in return for salt-dried fish, imported cotton piecegoods, cotton twist and kerosene oil, tussar, cocoons are also exported There is a considerable export trade in hides and horns Most of the export and the import trade is carried on with Cuttack and to a smaller extent with Balasore, Puri and Sambalpur

NEW CONSTITUTION FOR ORISSA

The administration of Orissa has been placed in charge of a Governor since April 1, 1936 The Governor will be assisted by an advisory Council of 20 members, of whom three will be officials to be nominated by the Governor This transitional Government will not inaugurate the new policy but mainly engage and set up an administrative machinery Therefore, there will be no legislations, but an advisory council as mentioned above The Orissa Judiciary, however, will be subject to the Patna High Court The boundaries and financial adjustments regarding the assets and liabilities have been published

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MARKET PLACES OF THE UNITED PROVINCES.

THE United Provinces of Agra and Oudh has an area of about 110,000 square miles and a population of 49,614,833 including the States

The greater portion of the Provinces is a level plain The Gangetic alluvium is still carried down from the Himalayas and deposited on the banks of the river as silt In the hilly tracts stone and other minerals are found

The Upper Ganges Canal the Lower Ganges Canal and the Sarda Canal systems help the irrigation of the province Formerly goods were transported over the Ganges but the opening of railways and roads have largely altered the state of things and has given great impetus to the agricultural classes

Rainfall:—Vegetation is on the whole uniform, differences being due to variations in rainfall and temperature In the East the rainfall is heaviest, the average being 50", in the West the average is about 30" and in the Himalayan tracts as high a figure as 110" is recorded at Mussorie, and Dehra Dun gets about 120" Storms and cyclones are rare in the province

Soil:—There are three varieties of soils in the Provinces—the valley of the Himalayas, the main alluvium and the Central Indian alluvium In the Himalayas cultivation is carried on on the small patches where the ground is level System of cultivation is determined by conditions of the soil and rainfall

Crops:—Wheat, barley, pulses, rice, millets and maize are the stapl crops according to the nature of the soil Irrigation is the main source of water for cultivation Gram, jowar and bajra are also largely grown Peas, masur, khesari, marua, mandua and among oil seeds, til, mustard, linseed and castor are cultivated and are classed as dry crops The United Provinces produces more sugar than any other province and ranks second only to the Punjab as a wheat growing area Cotton occupies about 4 per cent of the cultivated area and constitutes the main fibre crop Sugarcane is an important crop, indigo cultivation is declining The cultivated fruits are mango, mohua, berry, pomegranate, peach, custard apple, guava, jack fruit, tamarind, pine apple, plantain, shaddock and several varieties of figs, melon, lime, orange and citron Vegetables are everywhere cultivated in garden plots The agricultural implements are simple and the size of the plough and other implements depends upon the pulling capacity of the local cattle The acreage under chief crops during 1933-34 was rice (5 9 millions), wheat (8 4 millions), barley (4 3 millions), jowar (2 6 millions), castor seed (12,000), bajra (2 1 millions), maize (2 0 millions), gram (5 3 millions), linseed (806,000), sesamum (1 3 million), rape and mustard (2 2 millions), sugar cane (1 7 million), cotton (805,000), and tobacco (81,000)

The districts where the crops are more abundant are as follows: Rice—Gorakhpur, Basti, Gonda, Bahraich, Allahabad, Azamgarh, Fyzabad, Kheri, Wheat—Gorakhpur, Meerut, Gonda, Moradabad, Saharanpur, Basti, Bareilly, Bulandshahr, Etah; Barley—Gorakhpur,

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Azamgarh, Allahabad Basti, Cawnpur, Jaunpur, Partabgarh Cholam—Jhansi, Cawnpur, Banda, Cambu—Agra, Banda, Maize—Bahraich Banda, Gram—Banda, Hamirpur, Meerut, Allahabad, Pulses—Gorakhpur, Azamgarh, Ballia Fyzabad, Ghazipur Mirzapur, Sitapur, Linseed—Gonda, Sesame—Hamirpur, Jhansi, Rape and Mustard—Bahraich Sugarcane—Gorakhpur, Meerut Muzaffarnagar, Cotton—Meerut Poppy—Budaun Fyzabad, Ghazipur

Timber —Semul and gutil logs for match making and other purposes are met with in Haldwani, Ramnagar Tarai and Bhabar Estates After meeting the full requirements of the match factories in the Provinces it will be possible to supply a considerable quantity of these timbers to the match factories outside it

Cattle·—Good breeds of cattle are found in Bundelkhand and in the submontane tract of the north Sheep and goats abound in the Provinces and cattle fairs are held in many places and those at Batesar (Agra), Kosi (Muttra) Gola (Kheri) Fakhirpur (Bahraich), Mokkanpur (Cawnpore) Nauchandi and Garhmukteswar (Meerut) are famous

Minerals —U P is not rich in minerals Peat is found in Upper Doab and Coal in the Southern Mirzapur iron and copper ores are found in the Himalayan districts Limestone is found in the Himalayas and stone in Mirzapur

Cottage Industries —Cotton ginning weaving and spinning is a home industry at Azamgarh Fyzabad Aligarh, Etah, Saharanpur and Muzaffarnagar Attempts are being made to push on the manufacture of fancy borders for saris which have a very large demand in the Provinces and machinery for the manufacture of these sari borders are being imported Meerut is a chief centre of the weaving industry Benares and Jhansi are the centres of silk weaving industry and Mau in Fyzabad is a centre of artificial silk weaving Shahjahanpur spun silk industry is progressing There is a small local trade in blankets in every district and woollen cloths and ropes and coarse cloth from goats hair are made in the Himalayan districts and at Mirzapur Cotton carpets and durries are made in every jail those of Aligarh, Bareilly and Agra being notable Mirzapur and Agra are centres of woollen carpet weaving, other centres being Jhansi Moradabad and Cawnpore Rugs prayer mats, horse cloths, saddles, etc are also made Power spinning and weaving is progressing Hosiery is another rapidly progressing industry and several power hosiery plants have been installed at Cawnpore and Meerut Dyeing and printing are established industries There are many goldsmiths in the towns and villages Blacksmiths make and repair agricultural implements everywhere in the province Tatpatti woven of sann fibre are made in the district of Shahjahanpore Partabgarh, Bareilly, Fatehpore, Bijnore Azamgarh, Basti Sultanpore and Barabanki Basket weaving from munj, jhan, and jhankar is practised at Allahabad, Pilibhit Hardoi and Moradabad Brass and copperware are made in Partabgarh, Gonda, Kheri Muzaffarnagar, etc Marble work with stone is done at Agra, wood carving is practised at Saharanpur Nagina and Mainpuri, and Bareilly Wood carving work is done at Saharanpur and Muzaffarnagar and silver, ivory, bidri, chikan, clay and printing industries obtain at Lucknow

Major Industries·—Mill industries are textile making, tanning sugar factories, soap making, leather goods, match and cigarette making, paper making and shellac factories At Cawnpore has been started the first jute mill in the province Matches are made at Bareilly Locks and padlocks are made at Aligarh Moradabad and Benares are centres of metal utensil making Pottery is made everywhere, specially in Chunar,

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Aligarh, Azamgarh, Lucknow, etc Glass factories exist at Allahabad, Aligarh, Mainpuri, Etawah and Firozabad

Factories:—The number of registered factories in the United Provinces at the end of 1934 was 566 Among the factories registered during the year there was a large number of sugar factories Only 477 actually worked during the year The average daily number of persons employed in the registered factories, as obtained from the annual returns submitted, was 125,986, against 112,693 in the previous year, over 95 per cent of this is adult male labour About 62 per cent of the total number of persons were employed in perennial factories and 38 per cent in the seasonal concerns The increase in the number of operatives is again mainly due to the registration of sugar factories

Trade:—The chief trade centres are Cawnpore, Allahabad, Mirzapur, Benares, Lucknow, Meerut, Aligarh (Koil), Muttra, Agra, Furrakkabad, Moradabad, Chandausi, Bareilly, Saharanpur, Pilibhit, Hathras, Shahjahanpur The chief articles of trade are raw cotton, cotton goods, grains, oilseeds, hides and skins, brass and copperwares made at Mirzapur, Benares and Lucknow The imports are raw materials and materials ready for consumption Calcutta, Bombay and the Punjab participate in the trade of the Provinces

Rail and River Borne trade during 1934-35 in 1,000 mds —**Imports**— Cement (2,218), coal and coke (440,76), cotton (982), twist and yarn (130), piecegoods foreign (185), do Indian (1,099), myrobalans (115), fruits dried (276), glass (61), paddy (147), rice (6791), wheat (1 792), wheat flour (1,139), hides (146), jute (365), gunny bags and cloth (408), iron and steel bars, etc (3,621), kerosene oil (2051), vegetable oils (300), cotton seed (237), rape and mustard (471), ghee (63), salt (5,723), sugar (360), gur (623), tobacco raw (395), teak (43), raw wool (69)

Exports:—Bones (699), cotton (422) twist and yarn (223), piecegoods (351), fruits and vegetables (30), glass (229), paddy (67), rice (633), wheat (2,112), wheat flour (4,79), hemp (550), hides raw (351), skins (158), leather (29), gunny bags and cloth (318), iron and steel bars (402), lac and shellac (138), oil cakes (1,213), vegetable oils (473), castor seed (53), cotton seed (223), groundnut (80), linseed (11,786), rape and mustard (3,359), sesamum (525), ghee (247), salt (23), saltpetre (84), sugar (8,628), gur (7,534), tobacco (211), timber including teak (31,145), jute (115)

Transport and Communication:—The E I Rly, G I P Rly, B B & C I Rly, R & K Rly and B & N W Rly traverse the Provinces making a network of railways The total lines open in the Provinces are about 4,000 miles There are about 8,000 miles of metalled roads and more than 27,000 miles of unmetalled roads throughout the Provinces

Almost all the big towns have a good number of tongas and motor buses, for carrying passengers, within the towns as well as for taking passengers into the interior from towns and wayside stations. Goods are carried by motor lorries now-a-days in some places

AGRA DISTRICT

The district of AGRA area is 1,405 square miles in area and contains a population of 1,048,16 The languages spoken are Braja Bhasha and Urdu (in the City) The distance is 829 miles The average rainfall is 26"

The staple food crops of the district are bajra, gram, jowar, wheat, barley and cotton Area under crops in 1932-33 (in 1,000 acres) Wheat (93), barley (79), jowar (93), bajra (178), maize (5 2), gram (176), other grains and pulses (94), sesamum (4 8), rape and mustard (2 8), total oil seeds (21), condiments and spices (9), sugarcane (5.7), cotton (22),

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tobacco (2·9), fodder crops (42·3), fruits and vegetables (11·7), total (83·5) Cattle are generally imported from the Punjab and Central India

AGRA (population 229,764), the capital of the district is an important centre of arts and manufactures, specially of marble articles beautifully inlaid with precious stones It stands on the Jumna

The city is particularly of interest for the TAJ MAHAL built by the Emperor Shahjehan The "dream in marble" as the great Taj Mahal has been called, lies on the bank of the Jumna and attracts travellers from far and near Other historic buildings of interest are the Juma Musjid land opposite to it the Fort on the river, the tomb of Itimad-ud-Daula and the Chini-ka-Rauza on the left bank of the river, and the magnificent tomb of Akbar at Sikandra, about 5 miles north-west of the city The town is particularly noted for its architectural works of white marble stone, toys, plates and dishes

Ropes, blankets and carpets are manufactured here in cottages (handlooms) and factories The production of carpets is the most important outturn of the AGRA Central Jail Satranjes, galichas, soft stone nalicha, brass and bellmetal utensils, shoes, cotton and woollen cloths are famous and are available in abundance There are several oil mills and cotton weaving and spinning factories and bone mills Glass is manufactured on a large scale Embroidery works of pure lace are done artistically Soapstone and looking-glass frames are available here, small round boxes are also made and sold to different provinces and towns It is a centre of better quality hides and skins which are generally obtainable from the slaughter houses situated here Guts and casings are also available at this place It is a great mart for mustard seed wheat, rye, masur dal, linseed, gram, etc Being situated on the border of Rajputana it has become an important collecting centre of grain, oilseeds, cotton and ghee from the States of Rajputana The States of Rajputana and Central India receive in their turn cotton goods, metals, sugar, salt, tobacco, etc, through Agra Goods are despatched and received by rail

The principal commodities arriving by rail into AGRA are· coal and coke, gur and sugar, salt, Indian piecegoods, wheat, jowar and bajra, oilseeds, gram and pulses, tea, tobacco, hides and skins and saltpetre The chief despatches by rail are gram and pulses, wheat flour, oil cakes, gunny bags, etc

FIROZABAD (population 23,154).—The place is famous for glass bangles The industry is stated to have made great headway, and ruby-red, amber and granite block, glass and bangles are now common Firozabad factories are now equipped with the Japanese type of furnaces, and a few are taking to the manufacture of bangles by machinery

ALIGARH DISTRICT

The ALIGARH district occupies an area of 1,952 sq miles and contains a population of 1,171 745 who speak Hindi and Urdu

Soil is alluvial generally with saline efflorescences (reh) The climate is generally good and the average rainfall is about 26" It has sandy ridges and light soil and the best lands are generally doubly cropped

Sugarcane is grown in plenty The principal crops of the district are wheat, barley, jowar, gram, maize, and arhar Cotton is the most important of the other crops grown Area under crops in 1932-33 in 1,000 acres —Rice (1·5), wheat (172), barley (155), jowar (93), bajra (115), maize (92·9), gram (107), other grains and pulses (115), rape and mustard (31·4), total oil seeds (38), condiments and spices (6·5), sugarcane (22), cotton (77), indigo (0·5), tobacco (5·4), fodder crops (61·7),

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fruits and vegetables (200), total (1,081) Irrigation is aided by the Upper Jumna Canal

Acacia, neem and mango trees abound in the district, but, all the same timber has to be imported for building purposes In most parts of the district antelope and wild hog are found Horse-breeding has become very popular at Aligarh, and Government maintains a number of stallions here Kankar for road making and saltpetre and glass are available

The district is the centre of cotton weaving and rug and carpet making, lock factories, cotton spinning and ginning works and dairy farms

The district exports grain and cotton, oilseeds, country goods glass and saltpetre and imports sugar, rice, piecegoods, spices, metals and timber Brass utensils are made at HATHRAS and ATRAULI The district is famous for locks Buckets, spades, khurpas, karhais are also manufactured

ALIGARH (population 83,878) stands on the Grand Trunk Road, at a junction of the E I Rly It is the seat of two Universities and the Anglo Oriental College of the Moslems There are several dairy farms in the town producing good butter The mau mustard, kalai and ghee of this place are well-known in the market There are several cotton ginning and spinning factories, pottery works produce inferior toys and other earthenwares Dried sweets are also made here There are also several big factories manufacturing brass locks, locks for boxes and chests A large agricultural display is held every year at ALIGARH

HATHRAS (population 39,784) is second only to Cawnpore as an important centre of trade in U P Trade connections are generally with Cawnpore, Bombay and Calcutta Very good quality of ghee and pure mau mustard are obtainable here in large quantities The oilseeds from this place are sent to different districts of Western Bengal and are pressed, and oil is extracted there in the mills There are also several spinning, weaving and ginning factories Goods are exported by carts and the imports consist of piecegoods, salt kerosene oil and other fancy and manufactured articles from Calcutta and Delhi The climate of the place is on the whole good and articles of food are cheap As a centre of trade it is of greater importance than Aligarh

ALLAHABAD DISTRICT.

The ALLAHABAD district stretches over an area of 3,852 sq miles and is inhabited by Hindi and Urdu speaking population of 1 491,913

The district is on the whole fertile the only hill here being the Pabhora on the bank of the Jumna The climate of the district is generally good and annual rainfall averages 38" The land is low but rich and alluvial called kachhar, producing magnificent crops of the Ganges Valley

The district is a good rice land and sugarcane is grown besides the ordinary food crops and oil seeds Cattle are kept and good ghee is available The crops raised are rice and gram, barley, bajra, jowar, wheat, oilseeds and sugarcane, on the Jumna side, cotton is grown in the Doab, poppy and hemp are also cultivated Irrigation is done by canals and wells

Area under crops in 1932-33 (in 1000 acres) —Rice (201), wheat (92), barley (175), jowar (99), bajra (110), maize (0 9), gram (232), other grains and pulses (166), linseed (16 6), sesamum (2.0), rape and mustard (1 2), total oil seeds (22), condiments and spices (1 8), sugarcane (15), cotton (2 8), other fibres (9 5), tobacco (1 4), fodder crops (16), fruits and vegetables (22 1), total (1172)

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Sugar refining is carried on at SERAI-AKIL Brass and iron foundry and castor oil factory are situated at MANAURI There are glass factories near Allahabad Bamboo baskets, locally made are in good demand Brass utensils are made at Phulpur

The principal exports are grain, cotton, oil seeds, sugar, ghee etc, and the chief imports are metals, salt and piecegoods Trade is still mainly carried on by rivers

ALLAHABAD (population 183,914) —This town was once the head quarters of the Provinces and was once in a very flourishing condition But the political importance is now being gradually shifted to Lucknow But it is still the chief educational centre of U P It is a great junction of the E I Railway, G I P Railway and B & N W Railway All sorts of commercial products are dealt in here It is situated at the confluence of the Ganges and the Jumna and is a famous place of pilgrimage of the Hindus The Kumbha Mela is held here at an interval of 12 years, and many sadhus and countless Hindus from all quarters assemple here during January There are several oil mills, flour mills and workshops here Glasswares are made at NAINI, near Allahabad The Allahabad Glass Works manufacture electric shades, coloured sheet glass and aerated water bottles It is also a centre of Railway administration There is a tannery and grains and seeds are exported from this place in abundance

The place is healthy and the surrounding country is very fertile It is 564 miles from Calcutta and 844 miles from Bombay The rail borne imports into the city consists of coal and coke, rice, wheat, gram and pulses, kerosene and petrol, piecegoods sugar, tea wood and timber, etc while the railway despatches from the city are gunny bags jowar and bajra, linseed, tobacco etc

DARANAGAR —The articles of trade of this place consist of grains, wheat castor seed, linseed poppy seed, seti mustard, arhar masuri khesari, ghee, etc, which are largely imported here from the surrounding villages Poppy seed of this place is very good and is obtainable in abundance The place is healthy

KHAGA —All sorts of grains are available here in abundance and are exported by rail Mustard and poppy seed of the locality are of the best quality and are exported in large quantities Goods are brought here by carts and sent away by rail The place is healthy Milk and ghee are available

SIRSA is a trading centre in the district There are also many smaller markets in the interior The district is traversed by the main line of the E I Ry.

ALMORA DISTRICT.

The ALMORA district extends over an area of 5 500 sq miles in the Kumaon division and has a population of 583,302 souls The district is mostly hilly and snowy peaks are common sights Hindi is the language spoken here Average rainfall is 80"

Cultivation in the district varies according to height and situation The staple food crops are marua and rice in autumn, and wheat and barley in spring Areas under rice and wheat are respectively 80,000, and 65,000 acres Minor vegetables and millet and maize are also cultivated The hills also produce turmeric, ginger, chillies and potatoes There are wide areas under reserved forests

Copper is mined here by indigenous methods There are also several tea plantations Blankets, woollen cloths and shoes are made for local use. Breweries work at RANIKHET Blanket making is progressing in Almora where 5,000 hand spindles are now working Manufacture of copper, brass and iron utensils is carried on at several places in the

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district Wooden jars, bowls and cups of the district are popular Collected honey is a commodity of sale Pitaras from reeds and ringal bamboo are made at GORIPHAT

The district exports chillies, ginger, turmeric, tea and forest produce in increasing quantities and imports grain, cloth, sugar and salt There is a good trade in borax salt and wool with Tibet, merchants from that place bring these articles and take manufactured goods in exchange

The centres of trade are ALMORA (a health resort), CHAMPAWAT, PITHORAGARH and RANIKHET

There is an extensive cart traffic between Baijnath, Almora, Ramkhet, and Kathgodam which has a considerable trade and is a distributing centre for the products of the plains and of imported goods A Railway line from Pilibhit on the Lucknow-Bareilly metre gauge passes through Almora

AZAMGARH DISTRICT.

The AZAMGARH district lies in the Gorakhpur division with an area of 2,147 sq miles and a population of 1,571,577 The local dialect is called Bhojpuri The climate is on the whole healthy and the average rainfall is about 41"

Soil of the district consists of clay in the south which produces abundant rice while loam prevails in the north The main crops grown are rice barley peas, kodan, wheat, arhar, gram, maize and marua Sugarcane however is the valuable crop of the district, besides indigo and poppy which are also grown in large quantities The district produces about 65 000 mds of sann fibre Tatti weaving is practised on the wide scale, the goods being sent to Calcutta or Cawnpore

Area under crops in 1932 33 in 1000 acres —Rice (339), wheat (70), barley (244), jowar (3 3), bajra (2 8) maize (32), gram (42) other grains and pulses (300), linseed (2 3) total oil seeds (2 7), condiments and spices (1 4), sugarcane (68), other fibres (8 7), fodder crops (11 6) fruits and vegetables (12 0), total (1142)

Sugar refining and weaving of cotton cloth are the chief industries MABARAKPUR, MAU and KAPAGANJ are the chief centres of weaving industry The main imports are grain, piecegoods yarn, cotton, silk, tobacco, salt, metals, hardware and drugs The exports are sugar, opium, cloth, oil seeds, indigo, saltpetre, etc

AZAMGARH town (population 18 046) is situated on the railway line on the loop of the Tons The goods are carried by railways chiefly there being only a very small boat traffic

BAHRAICH DISTRICT.

The BAHRAICH district lies in the Fyzabad division covering an area of 2,740 sq miles and with a population of 1,136,348 Hindi and Urdu are the languages spoken here The climate is moist and the rainfall averages 45"

Soil of the district consists of loam and clay with a portion of the Terai on the Nepal frontier The crops grown are wheat, rice and maize, gram, barley, peas and masur, poppy, oil seeds, etc

Area under crops in 1932-33 in 1,000 acres —Rice (327), wheat (292), barley (69), jowar (5 6), bajra (2 1), maize (245), gram (121), other grains and pulses (171), linseed (22), sesamum (3 7), rape and mustard (44), total oil seeds (72), condiments and spices (3 8), sugarcane (12 4), tobacco (1 6), fodder crops (13 8), fruits and vegetables (7 4), total (1345)

Coarse cotton cloth is woven here for local use Felt making, small rugs and blanket making are the other industries besides wood carving Bellmetal wares of this district are famous

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The chief expor s are grain, forest produce, oil seeds, and opium while the imports consist of metals, piecegoods, salt and sugar Timber is floated down the river, the chief markets are BAHRAICH, NAL PARA, PAYAGPUR

BAHRAICH (population 33,783) is a trade centre with increasing traffic with Nepal Grain, oil seeds and spices come here from Nepal and piecegoods, metals, salt, tobacco enter Nepal through the Railway Station of NEPALGANJ

A branch of Bengal and North-Western Railway passes through Bahraich The shrine of Sayyid Salar Masud, a famous warrior and saint is a place of interest in the town

BALLIA DISTRICT

The BALLIA district is in the Benares division It has an area of 1,232 sq miles and a population of 913,090 Hindi is the language of the district The average rainfall is about 42'

Ballia the headquarter station is famous for its DADRI fair which is held annually on the full moon day in Kartik

The chief crops in the alluvial plain consist of kodan, rice, barley, peas, gram maize, arhar and wheat Sugarcane is a valuable crop besides poppy

Area under crops in 1932 33 in 1000 acres —Rice (112), wheat (53) barley (115), jowar (7 0), bajra (9 5), maize (3) 5) gram (87), other grains and pulses (223), linseed (1 2), rape and mustard (2 2), total oil seeds (3 6), condiments and spices (1 4), sugarcane (35), tobacco (0 6) fodder crops (3 5), fruits and vegetables (8 3), total (692)

The annual cattle fair is held during cold weather, where many cattle are offered for sale

Sugar is refined by the indigenous process and coarse cotton cloth is woven Palanquins are made here The chief article of trade of the district is sugar

The main exports are ghee, oil seeds, small gram, wheat, saltpetre and sodium of carbonate which are generally sent to Bengal and Bihar The imports are rice, spices piecegoods, salt and metals

Boat traffic over the Gogra and the Saraju is still prevalent BALLIA (population 18,143) is a Station of the B & N W Rly

BANDA DISTRICT.

The BANDA district lies in the Jhansi division covering an area over 2,800 sq miles It is inhabited by a population of 625,771 who speak Urdu and a Hindustani dialect The average rainfall is about 40" Agricultural prosperity often fluctuates from season to season The soil is rich, black soil being very fertile, and kabur being stiffer than the former A very fine breed of cattle known as Kenwariya are found here

Area under crops in 1932-33 in 1,000 acres —Rice (60), wheat (97), barley (19), jowar (138), bajra (33 4), gram (3 73), other grains and pulses (77), linseed (6 4), sesamum (57 2), total oil seeds (68), cotton (2 6) other fibres (8 6), fodder crops (1 1), fruits and vegetables (2 1), total (883)

The industries consist of coarse cotton cloth weaving, cotton prints, cooking vessels and rough carpets

The main exports are gram, wheat, millet, in favourable years, besides cotton The imports are rice, sugar, salt, tobacco, metals, etc Trade is mainly rail-borne

The important centres of trade are BANDA, KARUR and RAJAPUR.

BANDA town (population 22,415) is the headquarters of both the tahsil and the district of the same name and stands on the Manikpur

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Banda Section of the G I P Rly It is a municipality and contains many temples and mosques

KARWI, a tahsil and a Railway Station on the G I P line, lies on the bank of the river Poisani Miscellaneous trades and professions are pursued here

The G I P line from Jhansi and the E I R branch line serve the district well

BARABANKI DISTRICT.

The BARABANKI district is situated in the Fyzabad division It occupies an area of 1,760 sq miles and is inhabited by a Hindustani-speaking population numbering 1,063,779 The district contains many shallow lakes and jheels but the climate is healthy and the average rainfall is about 40"

The products of the district are rice, wheat, gram which are largely grown Pulses, kodan, millets, barley, peas, masur, maize and poppy are also cultivated

Area under crops in 1322 33 in 1000 acres —Rice (178), wheat (167), barley (26), jowar (15 2), bajra (6 9), maize (36), gram (146), other grains and pulses (238), rape and mustard (2 6), total oil seeds (4 5), condiments and spices (3 3), sugarcane (33 9), opium (2 4), tobacco (1 2), fodder crops (31), fruits and vegetables (9 9), total (902)

The industries are cotton and rug weaving at NAWABGANJ, the prints of which are famous There are iron and sugar mills at BAHRAMGHAT where furniture and cooking utensils are made Wooden sandals of various qualities are made here

The district exports grain, raw sugar, hides and cloth The main imports are piecegoods and yarn, metals, hardware and sugar by rail Timber passes through BAHRAMGHAT

The important commercial centre of the district is NAWABGANJ

The district is well served by a loopline of the E I R and the B & N W R which pass through it

BAREILLY DISTRICT

The BAREILLY district in the Rohilkand division has an area of over 1,164 sq miles, at an elevation of 470 feet, and a population of 1,072,379 who speak Hindustani The climate is unhealthy in the north of the district Average rainfall is 44"

The agricultural products available in the local market are chiefly wheat and rice Other cultivated crops are gram, bajra, maize, sugarcane, poppy, oil seeds, cotton and sunn hemp

Area under crops in 1932 33 in 1,000 acres —Rice (142), wheat (219), barley (24), jowar (42 8), bajra (76 6), maize (45 8), gram (109), other grains and pulses (95), linseed (1 4), rape (1 0), total oil seeds (3 8), condiments and spices (2 3), sugarcane (78 8), cotton (2 5), other fibres (11), opium (3 2), tobacco (2 5), fodder crops (41 8), fruits and vegetables (11 4), total (911)

The main industry of the district is the refining of sugar by indigenous methods Refined sugar is generally exported to the Native States like Jaipur, Jodhpur and Udaipur which still give preference to Indian sugar over foreign sugar on religious grounds Among the other industries are the manufacture of garah or khaddar, furniture, duri, pileless carpet, etc Garah is not manufactured in the town, but is brought from a neighbouring village called FATEHGANJ

Furniture worth lakhs of rupees is supplied to the whole of the province (U P) as well as to the Punjab The chief woods employed in furniture are shisham, tun and koran, the last being most used in building materials Bareilly-made durries are sent even to such durri

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manufacturing towns as Agra, Cawnpore and Ambala They are cheap and durable There is also a match factory at Bareilly

IZATNAGAR.—A workshop of the Railway department of the R & K Rly works here The main items of export consist of gram, pulse, sugar, hides, hemp and oilseeds The imports are generally salt, piecegoods, metals, stone and lime

FATEHGANJ —A market is held on every Thursday and weavers from all the neighbouring villages flock to the spot to dispose of garah or khaddar which is exported to Ambala, Ludhiana, Hoshiarpur and even to Amritsar The cloth is cheap and durable

BAREILLY city (population 144,031) is the administrative head-quarters of the district and an important railway junction on the E I R main line It is a thriving city and is noted for its furniture which is made both of bamboo and ordinary timbers from the forests of Kumaun and Pilibhit Katha is manufactured here

The imports consist of oil, oil seeds, sugar, kerosene oil, spices, leather articles, durries, metal articles and cloth Leather articles including boots and shoes are generally imported from Agra and Cawnpore, though slippers are imported from Calcutta Agra durries are imported on account of their high finish for local consumption Bed durries of interior quality are imported from Ludhiana They are liked on account of their cheapness Foreign piece-goods are imported from Delhi, Cawnpore and Farrukhabad markets Swadeshi piece goods are generally imported direct from the mills of Bombay, Nagpur and Beawar The rail borne arrivals into Bareilly consist of coal, kerosene, petrol, rice, wheat, grains and pulses, gunny bags, salt, sugar, tea, wood and timber and the despatches consist of gunny bags, kerosene, sugar, wood and timber, etc

CHETTURBUCKGANJ —Here are flour mills, rice and oil mills A big factory is situated at a distance of three miles from Bareilly for the purpose of manufacturing bobbins and extracting turpentine One important industry, having possibilities of development is that of calico-printing

AONLA, is one of the most leading business towns in the district with a considerable traffic especially in grain It is connected with Budaun by a metalled road

There are no good roads in the district, but several railway lines pass through it The E I R main line between Moghul Sarai and Saharanpur passes through the route of the district and a branch from Bareilly city runs through Aonla to Aligarh The Rohilkand and Kumaon Railway passes through the north and is the only route to the hill station of Naini Tal, and a metre gauge line passes through Bareilly district in the south west and through Budaun and Soron in the Etah district

BASTI DISTRICT.

The BASTI district lies in the Gorakhpur division Its area is 2,752 sq miles and population is 2,078,024 Language spoken is Hindi of the Bhojpuri dialect The average rainfall is about 48" The soil of the district is suitable for the cultivation of all sorts of crops

Area under crops in 1932-33 in 1,000 acres —Rice (613), wheat (337), barley (121), maize (62), gram (87), other grains and pulses (397), linseed (21 8), sesamum (1 4), rape and mustard (9 7), total oil seeds (33), condiments and spices (3 0), sugarcane (55 9), opium (3 1), fodder crops (28 7), fruits and vegetables (19 8), total (1,764)

Wheat and poppy are best grown in the lighter loams of the Rapti and the Gogra Doab grows rice, barley, kodan, peas, masur, gram and

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arhar The district is exceptionally poor in industrial pursuits, sugar refining on a small scale being the only industry

Agricultural implements, coarse cotton cloth, utensils, etc, for local use are also made here Chintz is made on a small scale at BAHADURPUR and NAGAR

The trade of the district is mainly in agricultural produce The main exports from the district are rice, sugar, opium, saltpetre, oilseeds and hides The imports are cloth, metals, salt, cotton and tobacco The through trade with Nepal is also of importance Iron, drugs, spices, ghee, fibres and rice come from Nepal and raw sugar, salt, hardware, tobacco, coconuts, cotton yarn and cloth are sent to Nepal USKA and MEHUDAWAL are the chief marts in the north and carry on trade with Nepal, and the commerce of the south is partly over the Gogra and also by railway to a large extent The trade connections are generally with Cawnpore and Calcutta

BASTI has a small trade It is the headquarters of the district and lies on the B & N W Rly on the Gorakhpur Fyzabad Road

BENARES DISTRICT

A district in the division of the same name, BENARES occupies an area of 1,098 sq miles and is inhabited by a population of 1,016,378 Urdu and Hindi are the languages of the district The average annual rainfall is about 40" The soil characteristic is clay in the centre and rice cultivation is most important here

Area under crops in 1932 33 in 1,000 acres —Rice (154), wheat (44), barley (109), jowar (18), bajra (198), maize (134) gram (75) other grains and pulses (131), linseed (34), total oil seeds (37) condiments and spices (09), sugarcane (286), other fibres (20), fodder crops (128), fruits and vegetables (132)

There are very few manufactures outside the city of Benares Weaving of coarse cotton cloth is the most important industry in the district Wooden lacquered toys are made Oilseeds are the most important article of export as there remains scarcely any surplus of crops in the district proper The imports into the district are salt, piecegoods and metal Stone and fuel are generally carried down from Mirzapore by the river There is a network of roads besides a good railway communication in the district

BENARES (population 205,315) is one of the biggest towns of India It is situated on the bank of the Ganges and is connected by a railway with the E I Rly and the B & N W Ry It is the place of pilgrimage to the Hindus of the whole of India and people assemble here for worshipping God Biswanath and Goddess Annapurna throughout the year The pilgrim traffic is enormous It is also an important commercial centre in the United Provinces Many articles of trade are imported to and exported from this place The place is noted for brass work, silk cloth and jewellery It is the seat of the famous Hindu University

The important articles of trade are gram, wheat, castor seed, linseed, mustard seed, oil cake, sugar, arhar, ghee, besides mung, potato, vegetables and mewali fruits, opium, blankets, blanket-sheets, many sorts of silk cloth, chaddars and curios, utensils, beads of rudrakha, toys of wood, earthen and brassware, surti, zarda, tobacco, snuff, satka, gargara, country made attar and essential oils, marble utensils, varieties of marble and ivory articles and fancy goods, lac bangles, images of gods and goddesses, jewellery carved out of stones, naravana sila is largely available here There are several oil-mills of which the castor-oil mill manufactures good cakes, and business in these cakes is brisk at the beginning of the season

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The vegetables and fishes are very cheap The vegetables include potatoes, cauliflower, lemon, guava (of big size), orange, pear, apple, grapes, pomegranate, mangoes, lichees, etc

BIJNOR DISTRICT.

The BIJNOR district is in the Rohilkhand division and occupies an area of 1,867 sq miles Its population is 835,469 who generally speak Hindustani It is 893 miles from Calcutta The annual average rainfall is about 45"

The principal crops grown in the district are rice, wheat, barley, bajra, gram, sugarcane, cotton and oil seeds

Area under crops in 1932 33 in 1000 acres —Rice (160), wheat (165), barley (66 6), bajra (38 6), maize (68), gram (80), other grains and pulses (80), rape and mustard (7 0), total oil seeds (9 7), sugarcane (91), cotton (23), other fibres (1 3), fodder crops (38), fruits and vegetables (6 7), total (769)

Raw and refined sugar making is the chief industry and these are exported, coarse cotton cloth and finer varieties are woven Carved ebony, and ropes are made at NAGINA and iron work at DHAMPUR There are a number of glass factories at NAGINA Manufacture of pocket-knives, papier mache and Brahmanical threads are other industries of the district

Chief exports are sugar and forest produce, rape and papier mache Gram and grains, salt, piecegoods and metals are imported The trade is rail-borne

BIJNOR TOWN (population 23,520) is situated on an undulating ground not far off the Ganges The trade consists chiefly of sugar and pocket knives and Brahmanical threads (which enjoy local reputation)

NAJIBABAD (population 28,473) —Brassware, coarse, cotton cloth, blankets, Indian shoes, and smoking hookahs constitute the chief industries of the town It exports bamboo, sugar cane, sugar shira, potatoes, gur and some hill produce The imports consist chiefly of wheat, wax, honey, resin, grains and piecegoods

KIRATPUR is a centre of trade with large dealings in gur, shira rose, gulkund, iron locks and padlocks

NAGINA (population 25,427) —The local industry consists ebonite comb and pen-stands, wooden walking sticks, cash boxes, glass bottles, cotton cloth and upholstery

DHAMPUR —It maintains an important trade in gur, shakar, sugar, resin, taramera oil, and mung

BALAWALI—is an important town in Bijnor tahsil Glass manufacture is conducted here

BUDAUN DISTRICT.

The district of BUDAUN is situated in the Rohilkhand division and occupies an area of 2,010 square miles It is inhabited by a population of 1,010,180 who speak Urdu and Hindi It is 809 miles from Calcutta The average rainfall is about 36"

The chief crops are wheat and jowar, barley, bajra, maize, gram and rice are also grown Sugarcane and poppy are the profitable crops

Area under crops in 1932 33 in 1,000 acres —Rice (41), wheat (315), barley (75 4), jowar (77), bajra (205 7), maize (53 7), gram (102), other grains and pulses (123), rape and mustard (1 8), total oil seeds (6 4), sugarcane (2 6), cotton (8 9), other fibres (2 3), opium (3 3), tobacco (4 4), fodder crops (20 5), fruits and vegetables (17 5), total (1,090)

Sugar refinery is the chief industry, cotton weaving, carpentry, brasswork are also done BILSI was once a famous mart The exports are grain and sugar and the imports are cloth, salt and metals

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BUDAUN (population 45,455) —Budaun town is a municipality and a very important business centre Situated on the railway line it has some advantages over other neighbouring towns Papier mache pen-boxes made here have some name in the market

UJHANI is an important grain and cotton market exporting tobacco, pulses, barley, cotton and cotton seed, linseed, castor seed, and rape seed It is 35 miles off from Bareilly Junction

SAHASWAN (population 17,644) is a trade centre in the district

The branch of the East Indian Railway from Bareilly and Aligarh runs through the north of the district and a meter-gauge line connects it with Bareilly Roads in the district have improved greatly

BULANDSHAHR DISTRICT

The BULANDSHAHR is situated in the Meerut division and has an area of 1,914 square miles and a population of 1,136,885 Hindustani is the language spoken Its distance from Calcutta is 873 miles The annual average rainfall is about 26" but 40" is not uncommon

The chief food crops grown are wheat, gram, maize, barley, jowar and bajra

Area under crops in 1932-33 in 1,000 acres —Rice (1 8), wheat (217), barley (145), jowar (95), bajra (77), maize (119 7), gram (87 0), other grains and pulses (120), rape and mustard (16), total oil seeds (21 3), condiments and spices (19 3), sugarcane (59 4), cotton (74 7), other fibres (1 0), indigo (0 6), tobacco (3 8), fodder crops (54), fruits and vegetables (13 4), total (1,109)

Cotton and sugarcane are also raised and are profitable crops There are several factories where crude saltpetre is produced There are several cotton ginning and pressing factories Calico printing of JAHANGIRABAD, muslin of SHIKANDRABAD, pottery of KHURJA, the rugs of JEWAR and wood carving of BULANDSHAHR and SHIKARPUR are important industries of the district Cotton cloth is woven and glass of a coarser variety is also produced

Grain and cotton are the main exports and about 4,000 tons or more of cotton are sent away The imports are metals, piecegoods and salt

ANUPSHAHR is known for cotton, indigo, sugarcane and sugar, and the latter commodity is exported in considerable quantities to Cawnpore and Bulandshahr It is a depot for the import of timber and bamboos down the Ganges

DEBAI, 26 miles from Aligarh, is a market for cotton and wheat, and there are ginning and pressing factories in the town Local trade is carried on with numerous small towns where markets are held once or twice a week The trade is chiefly rail-borne It is the largest centre of trade in bamboos and timber

KHURJA (population 31,279) —The chief articles of trade are gram, wheat, linseed, mustard, kalai, masuri, arhar, castor seed, janera and ghee Of these, mustard and ghee are of excellent quality and are in large demand in Calcutta and elsewhere They are obtainable here in large quantities Cumin seed and ajawan are also imported here by carts and sent away by rail The articles are generally sent to Patna, Bhagalpur, and Monghyr The locally made potteries are much appreciated and have lately found favour even in Canada Khurja is also a big centre for bamboos and timber

Other important trade centres are BULANDSHAHR (population 24,898) and SIKANDRABAD (population 18,974)

The Grand Trunk Road from Calcutta to Delhi passes through the district which is served by a network of railway lines (E I Ry).

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CAWNPORE DISTRICT.

The CAWNPORE district stretches across an area of 2,370 sq miles and is inhabited by a population of 1,212,253 who speak Urdu and Hindi The annual average rainfall is about 34"

Area under crops in 1932-33 in 1,000 acres —Rice (27), wheat (136), barley (111), jowar (158), bajra (63 6), maize (418), gram (201), other grains and pulses (92), rape and mustard (16 7), total oil seeds (21 4), condiments and spices (1 5), sugarcane (9 3), cotton (16 5), other fibres (3 9), tobacco (2 3), fodder crops (8 6), fruits and vegetables (21 8), total (916)

CAWNPORE (population 243,757) —Cawnpore is the Sadar Station and headquarters of the district and is the third largest city in the United Provinces Its a junction betwe n E, I R B B & C. I, B & N W and G I P Railways It is a big Civil and Military Station Distance from Calcutta is 684 miles

The trade of the whole of the district largely centres in Cawnpore city, which has become the great collecting and distributing centre for the north of India Cloth comes from the Doab and Bundelkhand intended for Oudh, and elsewhere, cotton from Calcutta and Oudh, wheat and other grains from Calcutta, iron from Calcutta and Central India for Oudh and the Doab, salt from Calcutta and Rajputana for Oudh and Bundelkhand, sugar from Benares, Bihar and Oudh for Bundelkhand and the Punjab, and oilseeds and indigo seed from Calcutta and Bengal Cawnpore has thus become the great centre of exchange for Northern India

Cawnpore city is the most important manufacturing centre in U P Cotton pressing and ginning are importat industries in Cawnpore These are situated in the great cotton centre of COUPERGANJ The other factories in Cawnpore include sugar mills, where rum is also manufactured, jute mills, flour mills, brush and tin box making works, iron foundries, tape weaving, cabinetware and chemical works There are many cotton mills and oil mills, the products of which are distributed throughout the different parts of India Tanning and manufacture of leather is an important industry here Cawnpore is the centre of sugar trade of the interior There are also many workshops There is a Government Harness and Saddlery Factory and the Army Boot and Equipment Factory Tent making is a very important industry in Cawnpore and is carried on by many manufacturers as well as by the larger concerns Woollen fabrics of all description are produced in the woollen mills The wool is obtained mainly from the Punjab and Tibet, while a certain amount is imported from Australia

The agricultural products obtainable here include arhar, masuri, khesari, pulses Blankets, hides and skins and leather goods (from the leather factories) are famous Refined sugar, cotton seed, jowar, castor, ghee, oil, til, mung, kalai and oil-cakes are sufficiently available and are exported in large quantities Oil is sent to Bengal and oil cakes go to the Punjab. Kalai and mung are of good quality The pulses are split on a large scale and made into dals which are sent to Bengal There are large factories which send their products to England Bristles are also obtainable in large quantities and constitute a profitable business with little experience The major portion of these bristles is sent to Europe but here are several factories also for producing brushes. Hides and skins are available in large quantities

The rail-borne arrivals into Cawnpore include coal, cotton raw, cotton twist and yarn, piecegoods, wheat and wheat flour, hides and skins, jute, gunny bags, kerosene, salt, sugar, rape and mustard, cotton

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seed, linseed, castor, tea, tobacco and wood and timber The despatches include gunny bags, piecegoods, oil seeds, sugar, grains and pulses, hides and skins, etc

KOCH —It is a centre of trade for soft ghee which can be had here in enormous quantities Grains and seeds are also obtainable here but is not a lucrative business The climate of the place is good

DEHRA DUN DISTRICT

The DEHRA DUN district occupies an area of 1,193 sq miles and contains a population of 230,247 Hindustani and Pahari are the languages spoken It lies at an elevation of 2,369 feet and is at a distance of 113 miles north of Meerut, and 12 miles from Landour The climate is generally cool owing to the proximity of the Himalayas The average rainfall varies Dehra Dun 90", Rajpur 120', Mussoorie 95", Chakrata 86" Tillage is chiefly confined to the valleys or to terraces and is irrigated by dams or canals

Area under crops in 1932 33 in 1,000 acres —Rice (23), wheat (38), barley (8 6), maize (9 7), gram (6 1), other grains and pulses (9 1), sesamum (3 4) rape and mustard (2 4), total oil seeds (5 9), condiments and spices (0 9), sugarcane (3 9), fodder crops (11 7), fruits and vegetables (1 8) total (144)

The district is covered with forest The timbers available are sal, haldu, amla, bahera, sain and jamun, bamboos are not rare khair and shisham are seen Sabai grass for paper making is also available in plenty

Reserve forests cover an area of 420 sq miles which is divided into two divisions, each under a conservator Wild elephants, tigers, leopards, sloth bears and various kinds of deer and monkeys are found in the forest Lead and sulphur mines are found on the Tons river and in the limestone below Mussoorie

There are several breweries in the district, glass blowing is also practised (at RAJPUR) and cotton-weaving is carried on for local consumption

The chief exports are bamboos, timbers, lime, charcoal, rice and tea and imports are hardware, cotton cloth, blankets, salt, sugar, grain tobacco and spices These articles pass on to the hills and the hill products come back in turn The hill products are rice, ginger, turmeric, red-pepper, honey, wax, lac, gum, resin and other minor forest products all of which are available sufficiently Besides the articles already mentioned DEHRA DUN exports large quantities of fruits

DEHRA DUN (population 50,130) is the headquarters of the forest department of the Government of India The Government Forest College is situated here

MUSSOORIE (population 4,966) is an important hill station and sanatorium in Dehra Dun It is 7,500 ft above sea level Its only manufacture is beer, but it is an important educational centre for European and Anglo-Indian boys, containing some 15 schools for both boys and girls

DEHRA, LANDOUR and MUSSOORIE are famous health resorts and are of growing importance to traders

There are three metalled roads

ETAH DISTRICT

The ETAH district occupies an area of 1,783 sq miles and its population is 860,478 Urdu and Hindi are the languages of the district The average annual rainfall is about 30"

Area under crops in 1932-33 in 1,000 acres —Rice (11), wheat (206), barley (82), jowar (65), bajra (112), maize (66 3), gram (69), other grains

Make Depilatories? "PROSPECTIVE INDUSTRIES" Explains the Process. INDUSTRY BOOK DEPT. SHAMBAZAR, CALCUTTA.

and pulses (78), rape and mustard (5 3), total oil seeds (8 9), condiments and spices (2 3). sugarcane (29 4), cotton (32 5), other fibres (0 9), tobacco (6 4), fodder crops (25), fruits and vegetables (17 7), total (813)

Trees and groves are scarce, but reeds are found in plenty in the Terai and used for thatching and rope making Munj grows abundantly in the Ganges Khadirs of Kasganj and Aliganj tahsils of the district

The chief industries of the district are cotton-weaving, sugar refining, and preparation of saltpetre and sulphate of soda There is a pressing factory

The chief exports which are considerable are wheat, cotton, barley, pulses, millet, opium, sugar, saltpetre, country grass, etc The main imports are piecegoods, metals, salt, which are carried by railway but a great deal of trade passes by road to the adjoining districts

Traffic through canal with Aligarh, Mainpuri and Cawnpore is not uncommon The chief trading centres are KASHGANJ (population 23 100) and JALESWAR (population 11,138), SORON (population 12 200) in this district is noted as a place of pilgrimage

ETAH town (population 11,473) is one of the most important trade centres in the United Provinces and is reached via Aligarh, Kasganj, Shikohabad It is connected with Budaun and Bareilly by the Rohilkhand and Kumaon Rly)and a Section of the B B & C I Ry passes through the west of the district

ALIGANJ is a big centre for collecting grains, seeds and cotton, which it sends to THANA DARYAGANJ station on Cawnpore-Achnera Railway about 9 miles away Transport is effected by carts

ETAWAH DISTRICT.

The ETAWAH district extends over an area of 1,061 sq miles and is inhabited by a population of 746 005 who speak Hindi and Urdu

The acreage under main crops is wheat (93,000), gram (111 800), barley (64,000), jowar (53 000), bajra (116,000), maize (37 500), pulses (67,000), oil seeds (13,700), sugarcane (10,700), cotton (7,400), fruits (10 700), total (624,000) Cotton and poppy are also grown and constitute the profitable crops Many fairs and markets are held in the district where agricultural products can be collected

Cotton cloth is woven in many of the villages, JASWANTNAGAR is famous for brass work There are several cotton gins and presses and sandalwood factory too

The chief exports are cotton, ghee, gram and oil-seeds Ghee comes generally from the adjoining Gwalior State and is sent to Calcutta and Bombay The imports are mainly piecegoods, metals, drugs, spices and oils (kerosene and others)

ETAWAH (population 46,948) —It is one of the big commercial centres in the U P The articles of trade consist of grains, wheat, linseed and mustard seed, poppy seed, kalai, ghee, oil cakes, masuri, arhar, castor seed, etc, are obtainable in large quantities The seeds and grains of this place have little admixture and ghee of this place is very good Goods are imported from the interior by carts and are sent away by rail

JASWANTNAGAR —The business of the place centres round linseed, mustard seed, poppy seed, kalai, ghee, wheat, grams, masuri, arhar, etc These articles are largely obtainable in a pure state Goods are brought from the interior by carts and sent away by rail

AURAIYA —This place is also well known for the soft ghee that is largely adulterated with mohua oil and is sold in sufficient quantities The trade name is Uria ghee The climate of the place is generally good

Make Depilatories? "PROSPECTIVE INDUSTRIES" Explains the Process. INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

MANURI —The adjoining country produces rich crops of all sorts of grains and seeds which are imported here from the interior by carts The place also produces oilcakes and oils which are exported by rail

FARRUKHABAD DISTRICT

The FARRUKHABAD district has an area of 1,719 sq miles and a population of 877,392 Hindi and Urdu are the languages The average rainfall amounts to about 34"

The acreage under principal crops in 1,000 acres is rice (20), wheat (161), barley (706), jowar (89), bajra (55), maize (61), gram (91), pulses (58 7), oilseeds (9 7), sugar (20 9), cotton (10 1) tobacco (13 1), fruits and vegetables (29 5), total (708) Potatoes are also grown

The district is celebrated for cloth printing which has an European demand Gold lace, brass and copper vessels are also made here Tents are made at the central jail There are several flour mills

The chief exports are tobacco, opium, potato, fruit, bhang, saltpetre, cotton prints, scent, brass and copper vessels, and the imports are grain, piecegoods, salt, timber and metals It has considerable trade with Central India and Rajputana It is fairly well supplied with roads and railways The Cawnpore Achhnera Rly and E I Rly, pass through the district

FARRUKHABAD (population 56,503) has a large trade in potato, tobacco and mango Three miles to the east of the town is a military Cantonment (population 3,851) on the left bank of the Ganges The town itself lies between 2 and 3 miles west of the right bank of the Ganges Domestic brass and copper utensils are made extensively

KANAUJ (population 20,360) —The surrounding country is very fertile and produces all sorts of grains and seeds in enormous quantities which are exported There are several flower gardens and the place is noted for its rose water otto, rue, scented oils pickles, chutneys and jellies The place is also noted for calico printed cloths with nice colours These things are exported to different parts of India Health of the place is good

FATEHPUR DISTRICT.

The FATEHPUR district has an area of 1,585 sq miles and a population of 688,789 Urdu and Hindi are languages Average rainfall amounts to about 34"

The crops grown in 1,000 acres are rice (84), wheat (59), barley (84), jowar (95), gram (156), pulses (55), fruits and vegetables (12 4), total (618) An important religious fair takes place at SHIVARAJPUR on the Ganges

The district is celebrated for ornamental whips made at FATEHPUR (population 18,947) and for the artistic bed covers, curtains and awnings of JAFRAGANJ Playing cards are made at KHAJUHA Manufacture of tat patties is carried on in villages round BINDKI

BINDI is the commercial centre of the district, the exports being grain, cotton, hides, and ghee and the imports consisting of piecegoods, metal, salt and oils Markets are held weekly in many villages including KISHANPUR (Ekdala) Trade is generally carried by rail but road traffic with the surrounding districts also exists

FYZABAD DISTRICT.

The FYZABAD district occupies an area of 1,689 sq miles and contains a population of 1,204,189 who speak Hindi and Urdu The average rainfall is about 42" Being situated on the upland above the Gogra, it produces magnificent spring crops where alluvial soil prevails on the river beds There are no forests, but patches of dark jungles obscure the vision in many places The crops grown in 1,000 acres,

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rice (256), wheat (160), barley (59 8), gram (89), pulses (210), sugar (44), maize (22 3), fodder (29), fruits and vegetables (11), total (909)

Cotton weaving is the chief industry TANDA (population 21,177), AKBARPUR and JALALPUR are the noted places for muslins Dyeing and printing are also carried on

The chief exports are rice, sugar, grain, cloth, oilseeds, opium, hides, tobacco and the imports are piecegoods, metal, salt and kerosene oil

GOSAINGANJ and AKBARPUR are the important trade centres

FYZABAD town (population 59,992), the Sadar Station is an important centre for sugar refining and has a considerable trade in both agricultural products and imported goods

AJODHYA (population 5,726) is a place of pilgrimage

Traffic is carried both by rail and by boats along the Gogra The district is served by the loop line of the E I Rly (O R Rly Section) which passes through the district

GARHWAL DISTRICT.

The GARHWAL district occupies an area of 5,269 sq miles and contains a population of 533,885 who speak Garhwali Average rainfall is about 50" but varies according to proximity to the Himalayas The cultivated areas are of a scattered type and rich soils are met with in the river valleys

The crops grown are marua, jhangora, wheat and barley, millets, sesamum, peas, pulses, pepper, ginger, turmeric and mustard

Copper and iron ores are worked to a certain extent and other minerals like lead, arsenic, graphite, sulphur, etc, have been found Hemp is woven into rope and cloth Leather goods, mats, baskets, bowls of wool and glass bangles are also made here for local use Copper utensils are made in SRINAGAR Kukris and daggers are also made

The trade with Tibet is important Salt, wool, sheep and goats, ponies and borax are imported while grain and cloth are exported to Tibet Shesham is found in KOTDWAR and Silajit and musk are exported from JOSHIMATH

The merchandise is carried on yaks Some trade with Tehri State also exist A large number of pilgrim traffic passes through this district SRINAGAR and KOTDWAR are the chief trading centres but most of the trade is done in the villages

GHAZIPUR DISTRICT.

The GHAZIPUR district has an area of 1,302 sq miles and a population of 824,971 Hindi and Urdu are spoken here The district is well wooded The climate is comparatively hot and damp and the average rainfall is about 40". The soil varies from light sandy loam to clay but in some places it is black

The chief crops grown are rice (146,000 acres) barley (127,000 acres), pulses (182 acres), gram, (82,000 acres), wheat (42,000 acres), sugarcane (28,600 acres), and poppy (3,100 acres), are the important crops Sugar is refined and coarse cotton cloth is woven for local use

The main articles of export are sugar, oilseeds, hides, perfumes, opium and grain, the chief imports are piecegoods, yarn, cotton, salt, spices and metals The traffic is mainly rail-borne and river traffic has decreased considerably The trading centres are SAIDPUR, ZAMANIA and GHAZIPUR but the direction of trade is fast shifting its ground

GHAZIPUR (population 27,498) prepares opium for export and has a Government factory and depot Ghazipur is noted for its rose and rose water.

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

GONDA DISTRICT

The GONDA district has an area of 2,879 sq miles and a population of 1,576,003 whose languages are Hindi and Urdu The district is well wooded The forests contain sal, asua, dhan, khair, mango, mohua, shishu, etc The annual average rainfall is about 45"

Acreage under crops in 1932-33 Rice 448,000, wheat 331,000, maize 235,000, gram 130,000, pulses including peas, masuri 293,000, linseed 33,600, rape and mustard 26,000, sugarcane 31,000, opium 2,800, total 1,633,000.

Coarse cloth is woven for local use Small ornamental pottery is made at UTRAULA Cane and basket weaving is an important industry of the district The exports consist of rice, peas, maize, opium, timber and fuel The imports consist of piecegoods, salt, metals and refined sugar

NAWABGANJ and COLONELGANJ are the most important trade centres UTRAULA and TULSIPUR are also big markets The transport is mostly done by railways but small traffic is also carried over the Rapti and the Gogra There is also a small trade with Nepal with grain in exchange for sugar and piecegoods

GONDA (population 17,450) —Situated on the B & N W Rly main line, it is 136 miles from Gorakhpur and 75 miles from Lucknow A branch line from Gonda goes as far as the border of Nepal There are several oil mills and a sugar making factory, the products of which are sent to different parts of the country and specially to Calcutta The chief manufactures, besides oil and sugar, are cotton and woollen fabrics, gold embroidery Brass and copper utensils, wooden toys and ivory bangles are also made here The town has a considerable trade in agricultural products

BALARAMPUR (population 19 311) is another trade centre in the district

GORAKHPUR DISTRICT

The GORAKHPUR district has an area of 4,528 sq miles and a population of 3,567,561 who speak Hindi and a Bhojpuri dialect The average annual rainfall is about 45"

The soil of the district varies from sand and loam to clay, low-lying alluvium along river banks is not uncommon Mango, mahua, fig, shisham, jack fruit, black-berry and guava are the principal trees Acreage under crops in 1932 33 Rice 853,000, wheat 433,000, barley 306,000, gram 90,000, pulses 651,000, linseed 23,000, condiments and spices 11,900, sugarcane 172,000, fruits and vegetables 38,000, total 2,752 000

Poppy, and indigo are also grown Agricultural crops are the main items of export, these are rice, barley, wheat, and sugar Timber and oilseeds are sent to Calcutta The chief imports are salt, metal, kerosene oil, all from Calcutta Traffic is carried mainly by rail

Chief among the industries may be mentioned gur making There are a large number of khandari factories

The trade with Nepal consists of imports from that place of considerable quantities of rice, ghee and spices The trade is carried on at the numerous small towns and markets, BAHRAJ being the most important of them But most of its trade is carried on with Cawnpore, Calcutta, Rajputana, Central India and Eastern Bengal Roads are good and convenient, and the B & N W Rly passes through the district

GORAKHPUR (population with cantonment 75,644) —Very little trade is done in the town whose inhabitants are chiefly agriculturists

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It is the headquarters of the district and lies on the left bank of the river Rapti and at the junction of the roads to Ghazipur and Fyzabad

Grains and seeds are imported here by rail from Chapra and the surrounding countries The district also produces sugarcane in enormous quantities and there are a large number of sugar factories Split pulses are made from arhar, masur, gram and khesari, and these are sent down to different parts of the country and largely to Calcutta Timber is brought here from the Nepal border and there are several timber godowns Local merchants deal in these articles The chief industry is carpentry There are several saw mills, cabinet making factories and also tanneries which send their products to Calcutta by rail Other industries include cloths of mixed cotton and wool

HAMIRPUR DISTRICT.

The HAMIRPUR district comprises an area of 2,439 sq miles and contains a population of 502,689 Bundelkhandi a dialect of Hindi is spoken Average rainfall is about 36"

The crops grown in 1932 33 are gram (299,000 acres), jowar (138,000 acres), wheat (152 000 acres , sesame (115,000 acres), cotton, arhar, kodan, bajra and barley, total (849 000) A little sugarcane is also grown The water supply of the district is defective though it is chiefly an agricultural district

Coarse cloth is woven Silverware is produced There are cotton presses at KULPAHAR, and MAHOBA The chief characteristic of the district however is that it has no central market

The exports are wheat, jowar, bajra, gram, cotton, ghee and pan (to Calcutta), oilseeds and cloth The imports are sugar, tobacco and spices, salt, rice, piecegoods and metals Trade of the northern portion is mainly carried on by road with Cawnpore and that of the southern portion is chiefly by rail RATH is the important centre of trade

HARDOI DISTRICT

The HARDOI district comprises an area of 2 317 sq miles and a population of 1,127 626 Hindi and Urdu are the languages spoken Sadar Station is Hardoi Bamboo, banyan and fig trees are common and numerous, and a considerable tract of land is occupied by jungle and uncultivated land The average rainfall is about 32" The soil of the district is generally poor

The chief crops are wheat (264,060 acres), barley (111 000 acres), bajra (96,000 acres), gram (115,000 acres), pulses (185,000 acres), jowar (65,000 acres), rice (52,500 acres), maize 43 000 acres) sugarcane (44,000 acres), total (1,031,00 acres)

Cotton cloth is woven mainly for local use Curtains and table-cloths of SANDILLA are noted, blankets, rope, sacking, strings, etc are made at MALLAUWAN Carpentry thrives at SANDI, MALAVAN and BILGRAM

The exports from the district consist of grain raw sugar, tobacco, hides, cattle and saltpetre under favourable circumstances The imports are salt, metals, piecegoods, cotton and refined sugar Its trade is chiefly with Bombay and Calcutta and in sugar with Central India There is a rose water factory at SAHJAHANPUR HARDOI is the chief market, others being SANDILLA, MADHOGANJ and SANDI Trade is both rail and road borne

HARDOI town (population 17,069) is a centre of export trade in grain and is noted for woodwork There are also saltpetre factories

SHAHABAD (population 21,101) is another trade mart

The district is well communicated by the main line of the E I Ry

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JALAUN DISTRICT.

The JALAUN district comprises an area of 1,469 sq miles with a population of 426,022 who speak Hindi and Urdu The rainfall is about 32" Acacia and catechu are the most common wood in the district which is but sparsely wooded

The crops grown are jowar (55,000 acres), wheat (136,000 acres), and gram (246,000 acres), arhar, barley, linseed (31,700 acres), cotton, condiments and spices (35 000 acres) hemp and poppy But the cultivation is liable to great fluctuations Cotton dyeing and printing is carried on

There are cotton gins and presses at KALPI and AIT and also at KUNCH The chief exports are gram, oilseeds, cotton, ghee and the bark of babul (for tanning material) which is available in large quantities Imports consist chiefly of piecegoods, hardware and metals Its trade is mostly with the southern and the western parts of India

The trade centres are KUNCH (population 15,150), KALPI, JALAUN, RAMPURA and MADHOGARHARA The traffic is both rail and road borne

JAUNPUR DISTRICT.

The JAUNPUR district has an area of 1,554 sq miles and a population of 1,236 071 who speak Hindustani and Hindi The average rainfall is about 42" on the average

The chief crops grown are barley, rice, peas, masur, maize (very famous), grams, wheat arhar, jowar millets, sugarcane, hemp, oilseeds Acreage under crops in 1932-33 Rice 158 000, barley 196,000, maize 89,100, pulses 133,000, sugarcane 45,700 other fibres 20,000, total 817,000

Sugar making is the important industry of the district Coarse cloth for local use is woven and scents are manufactured

The chief articles of export are sugar, food grains, indigo, scents and oilseeds The chief imports are salt, piecegoods metals and spices

The chief trade centres are JAUNPUR CITY, SHAHGANJ, MUYRA, BADSHAPUR and the district is well supplied with roads and railways

JAUNPUR CITY (population 37,675) The city is noted for the manufacture of perfumes from rose, jasmine and screwpine and also from the root of khaskhas There are several flower gardens and the place is famous for its floral oils Otto, rose water and scented oils are exported from this place and are of good quality Cigar cases are made here It has some trade in grains and imported goods The commercial articles, viz, tora mustard, poppy seed, ghee, biri-kalai and potatoes are obtainable here in abundance and are largely exported by rail to Calcutta and other places in Bengal, Bihar and Orissa The chief exports from this district go to Calcutta

KRAKAT, a railway station on the B N W Rly and 18 miles from Jaunpur, produces rice and sugar, MACHHLI SHAHR exports wheat oilseeds, sugar and ghee and imports woollen cloth, cotton cloth and other merchandise, and SHAHGANJ, a junction station on the B & N W and E I Rlys and 145 miles from Lucknow, is a trade centre for gur and cotton

JHANSI DISTRICT.

The JHANSI district occupies an area of about 3,600 sq miles and is inhabited by a population of 690,413 whose languages are Urdu and Hindi The average annual rainfall is about 32"

The chief crops grown are jowar (222,000 acres), kodan, small millets, gram (156,000 acres), wheat (116,000 acres), barley (28,700 acres), rice, maize, bajra, cotton and oilseeds mainly sesamum (138,000 acres)

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Coarse cotton cloth (known as Kherua) is still woven here and ornamental works are done at ERACHI Small woollen rugs and good quality silk cloth are woven at JHANSI

JHANSI and MARUA are noted for brass work and Jhansi has a big railway workshop The chief articles of export are oilseeds, ghee and betel all of which are sent in big quantities and are valuable Grain, forest products and road metal are also exported The imports are sugar, kerosene oil, salt and grain The chief centres are JHANSI, MAU-RAMPORE, LALITPUR and CHIRGAON There is also a good local trade with the Indian States on the border

JHANSI (population with cantonment 93,112) is an important railway centre on the G I P Rly It is 799 miles by rail from Calcutta and 802 miles from Bombay It is a town of historic interest It is a chief place of collection and distribution of agricultural products in the district All sorts of grains and seeds cotton, ghee, blankets, rope, etc are available here in plenty Satranjes and galichas of this place are famous These things are manufactured on a large scale in factories and are generally exported to different parts of U P, Bihar and Bengal by rail

KHERI DISTRICT

The KHERI district comprises an area of 2,976 sq miles and a population of 944,479 who speak Hindustani and Pahari The district is generally a level plain and exposes nothing but alluvium Kankar is also found Climate is generally healthy Rain is generally high but variable

Wheat (208,000 acres) is the chief agricultural product Rice (186,000 acres), sugarcane (75,400 acres), maize (110,000 acres), gram (114,000 acres), pulses (154,000 acres), barley (58,100 acres), rape seed (24,000 acres), cotton, oilseed, opium, vegetables, tobacco and indigo are also grown Sabai grass used in paper making is available in abundance in South Kheri

Manufactures consist of weaving and cotton printing Manufacture of domestic utensils is carried on at OEL and KAIMHARA It is the most important centre of cattle breeding in U P

The principal exports are grains, sugar, turmeric, tobacco, hides, syrup, forest products, cattle and ghee The imports are piecegoods, metals and salt The principal trading centres are LAKHIMPUR MUHANDI and GOLA Railways and good metalled roads connect it with important towns

The chief town, administrative headquarters and Sadar Station are at LAKHIMPUR (population 17,497) which is a railway station on the Rohilkhand and Kumaon Rly and lies 1 mile south of the river Ul

LUCKNOW DISTRICT.

The LUCKNOW district comprises an area of 967 sq miles and a population of 787,472 speaking Hindi and Urdu Average annual rainfall is about 36"

The chief crops grown in 1,000 acres are rice (42 6), wheat (84), pulses (103), gram (42 5), cotton (22.2), barley (25 7), jowar (24 6), bajra (31 5), fruits and vegetables (17 6)

LUCKNOW (population 274,659) —The town is situated on the banks of the Gumti and is the junction of several branches of the Oudh and Rohilkhand Railway Lucknow is the largest city in the United Provinces and the fourth largest in British India

Cotton fabrics of all grades are manufactured The local muslins are known as malmal and addhi. The place is also celebrated for embroidery with gold and silver thread Cotton dyeing and printing is

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still a flourishing industry The silver works enjoy good reputation while damaskening of silver on other metals has been revived The brass and copper wares and domestic utensils of all kinds are produced. Ivory carving is carried on to some extent but wood carving is much more important Fancy ivory brooches and powder boxes made at Lucknow have been appreciated in Europe and America The local potters produce various kinds of artwares, some of which are distinctly good, while the clay modellers of Lucknow are pre-eminent in the whole of India Among the minor products are tobacco, shoes and perfumes Hose making is now carried on, some factories also make silk and mercerised knitted and woollen goods

The city is the only important trade centre in the district It enjoys unique advantages in regard to communication, whether by rail, road or river A considerable portion of the great export trade in wheat and grains from the northern districts on its way to Cawnpore passes through Lucknow Similarly the greater part of Cawnpore's export trade is transmitted through the city

There are a number of factories and workshops, railways and iron foundries The imports are grain, piecegoods, metals and hardware, sugar and salt The chief exports are the goods of local industry, as cotton fabrics, gold lace, silver and gold works, ivory and wood carving, chikan, kamdani, pottery, tobacco and perfumes

Traffic is carried by railway (E I Rly) which does practically traverse the district which is also well supplied with metalled roads

MAINPURI DISTRICT

The MAINPURI district occupies an area of 1,697 sq miles and is inhabited by a population of 749,633 speaking Hindi and Urdu The district is washed by the Jumna Bhur, fertile loam and sandy are the three characteristic soils that are found here Kankar is abundant and the district contains extensive groves of mango and shisham Chief crops grown are wheat, jowar, barley, bajra, gram, poppy, and cotton

Acreage under crops in 1932-33 Wheat 145,000 barley 70,300, cholam 75,700, cambu 72,300, maize 53,000, pulses 63,000, gram 89,100, cotton 22,200, opium 3,600, tobacco 5,200, total 678,000

Wood carving and making of glass bangles are the chief industries Cotton ginning and spinning and indigo making are the chief factory industries

The chief exports are wheat, oilseeds, hides and skins, and cotton The important imports are salt, metals, piecegoods, sugar, tobacco and rice

SHIKOHABAD —It stands on the main line of the E I Rly with a branch to the headquarters station of Mainpuri The interior and the adjoining country is very fertile and all sorts of grains and seeds are produced Potatoes, gur, ghee and cotton are available here in sufficient quantities and are exported by rail

MAINPURI town (population 14,928) is a Municipality and contains a fort made partly of brick and partly of mud

A branch line of the E I Rly crosses the district and carries the major portion of the traffic.

MEERUT DISTRICT.

The MEERUT district comprises an area of 2,379 sq miles and a population of 1,601,918 speaking Hindustani The Ganges and the Jumna wash the borders of the district The climate is very healthy and the average rainfall is about 30".

The district produces rich crops of wheat, gram, maize, jowar, cotton and sugarcane Acreage under crops in 1932-33 —Wheat 367,000,

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cholam 110,000, bajra 51,100, maize 106,000, gram 160,000, sugarcane 154,000, cotton 46,800, tobacco 31,00, fodder crops 165,000, total 1,375,000

The chief industries of the district are tanning, cloth weaving blankets, cutlery, jewellery, cloth, glass bangles and furniture making There are several cotton presses, soap factories, rice, indigo, flour and oil mills Gur is made on a large scale Heavy brass and copper vessels and hukkas of galvanized sheets are made at HAPUR Hard ware are also made at BAMRAULI, KISHANPUR, BAOLI and in BAGHPAT tahsil

The chief exports are wheat, sugar, oilseeds, cotton, etc, and the important imports are metals, cotton cloth, building materials, timber and bamboo, ghee, drugs, and spices MEERUT, HAPUR and GHAZIABAD are the trade centres

HAPUR —It is peopled by 25,116 men

GHAZIABAD (population 18,831) a junction station for E I and N W Rlys 13 miles from Delhi, is a big grain market

MEERUT (population 136 709) —It is situated on a fertile tract and is reached from Ghaziabad on the E I R It is the biggest commercial centre in the district The local products are wheat, gram, linseed mustard seed castor seed, masuri, khesari and chaki gur, cotton, etc All these are exported from this place by rail of these wheat, chaki gur and cotton are exported in large quantities Scissors, soap, and caps are manufactured It is an important centre for khaddar and hosiery goods made from handspun yarn Every year after one week of the Hindu festival Holi a fair called NAUCHANDI fair is held in Meerut whereto persons from far and near flock

On the occasion of Kartic Purnima (full moon day in the month of Kartic) a fair is held on the banks of the Ganges at GARMUKTESHWAR, a place at a distance of nearly 30 miles from Meerut

The district is traversed by the main line and several branch lines of the E I Rly and N W Rly, and has many good and metalled roads through which also a large amount of trade is carried on besides the railways which are the chief means of transporting goods and merchandise

MIRZAPUR DISTRICT

The MIRZAPUR district comprises an area of 5,213 sq miles and a population of 788,409 Hindi is the language spoken The Ganges, the Sone and the Karmanasa pass through the district The average rain fall amounts to about 42" Acreage under crops in 1932-33 Rice 201,000, barley 95,000, wheat 71,000, gram 100,000, pulses 225,000, linseed 19,800, sesamum 25,600, total 859,000 Cultivation is largely fluctuating and depends upon irrigation from tanks and wells Other crops are maize, sugarcane, poppy

Deposits of coal are found while stone is quarried in the district Building stone, iron ore, mica and iron pyrites are found here sparsely distributed

The chief industries are sugar refining (both from cane and palm), iron vessels, wooden toys, indigo, tassar silk weaving, brass manufacture Shellac, lac dye, etc, are made in large quantities There are cotton presses Fine woollen carpets are made, the district being famous for them Cocoon rearing and tussar weaving are also practised Cocoons are collected in the months of September and November The November crop is superior as the cocoons are larger and contain more silk 30 lakhs are brought for sale at AHRAURA

The chief exports are stone, shellac, carpets, sugar, brass and iron utensils, grain, ghee, oil seeds, spices and raw silk The imports are brass, iron, copper, salt, cotton piecegoods, etc.

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MIRZAPUR (population 61,184):—It is situated on the main line of the E. I. Rly. on a fertile tract of land on the bank of the Ganges. It is one of the important towns of the United Provinces and is a great industrial centre. The chief industries of this place are the manufacture of good and valuable carpets, rugs and silk clothes. The carpets some of which are 46 feet wide are admired everywhere because of improved designs and colouring. The panpar of MIRZAPUR is famous and has a great demand in Calcutta. Brass and bell-metal wares are also manufactured here and are briskly sold in the province and also outside it. Stone business of MIRZAPUR is also flourishing and "sil" and "bell-chakhtis" are extensively sold in Bengal and Bihar. There is a stone workshop here of Messrs. Burn & Co. Lac is largely imported here and made into shellac and sent down to Calcutta by rail. Lac bangles are also made here. The place is the centre of cotton trade. Goods are generally sent away by rail. The guavas of the surrounding country and the stone work and earthen shorais of CHUNAR are also very important articles of trade.

AHRAURA.—The chief industries of the place are sugar making and lacquered ware. Tassar and silk are also woven and the place has a good trade in these articles.

The district has a large trade in sugar and gur with the districts of C. P. Local trade is carried one by cart and pack bullocks. The E. I. Rly. passes through it and carries large amount of traffic.

MORADABAD DISTRICT.

The MORADABAD district stretches over an area of 2,293 sq. miles and is inhabited by a population of 1,284,108 souls who speak Urdu and Hindi. The average rainfall is about 40". The soil is fertile and is sandy in some places.

Cultivation however is sparse and this is accounted for by the sandy soil yielding an abundance of Kankar stone. Acreage under crops in 1932-33: Rice 112,000; wheat 370,000; barley 92,000; cambu 126,000; gram 97,000; pulses 150,000; sugarcane 63,700; cotton 26,800; tobacco 2,600; fodder crops 83,000; total 1,218,000. Game birds are plentiful and monkey, badger, wolf, fox, porcupine, etc. are found throughout the district. Leopards are common in the north-eastern jungles where tigers are also occasionally seen.

The chief industries are sugar refining, cotton cloth weaving and woollen carpet making, brassware, silvered ware of various descriptions (generally utensils) and pottery. There are cotton ginning and pressing factories at CHANDAUSI. Glass is manufactured at BAHJOI. The Bahjoi Glass Factory is installing plant for the making of sheet glass.

The chief articles imported here are salt, tobacco, metals and piece-goods. The exports are generally sugar, wheat, rice, other grains and cotton.

MORADABAD (population 110,562):—It is the Sadar Station and headquarters of the district and stands on the Ramganga at an elevation of 670 feet. It is noted for its plain, enamelled and ornamental brasswares.

CHANDAUSI (population 26,768):—It is situated on the E. I. Rly. and is about 803 miles away from Howrah. The surrounding country is very fertile and produces rich crops of gram, wheat, linseed, mustard seed, chaki gur, masuri, arhar, ghee, cotton, castor seed, oil cakes, til, etc., which are purchased from the interior and are brought here by carts. The wheat of Chandausi is in active demand in Calcutta. Ghee, chaki gur, mau-mustard and wheat are obtainable here in large quantities. The oil content of the mustard seed of this place is about 15 seers

ADVERTISE IN THE PAYING WAY—WRITE TO MANAGER, INDUSTRY OFFICE, SHAMBAZAR, CALCUTTA.

to the maund It is a chief centre of trade in this part and contains the Railway Training School The climate of the place is generally good Goods are exported from this place by rail to Calcutta and Delhi generally

Other trade centres are AMROHA (population 44,948) and SAMBHAL (population 44,300) There is a railway training school at CHANDAUSI and the E I Rly passes through the district which possesses a good many metalled roads

MUTTRA DISTRICT.

The MUTTRA district has an area of 1,453 sq miles and a population of 668,074 Hindustani and Braja Bhasa are the languages spoken The Jumna passes through the northern boundary of the district The climate of the district is very dry and hot and the rainfall averages 26"

Muttra district has jungles where acacia, neem and ber trees are fairly common, and in the hilly tracts near Bharatpur are found leopards, wolves, hyenas and nilgai, while antelope, wild hog and chinkara deer are plentiful in the ravines

The chief crops are jowar, gram, wheat, bajra, cotton, sugarcane, tobacco and vegetables Acreage under crops in 1932 33 Cholam 127,000, cambu 53,000, wheat 95,000, barley 81,055, gram 144,000, rape and mustard 33,000, cotton 44,500, total 743,000 Cultivation in the district is aided by irrigation from canals, wells and tanks The chief industries are calico printing, stone carving, silver models of animals, etc There are several cotton gins and presses and indigo factories

The chief exports are grain, cotton, and the imports are salt, sugar, metals, oil seeds and piecegoods

MUTTRA City (population 64,029) It is an ancient and important religious centre of the Hindus and is rich in archaeological remains and still contains some very fine Hindu temples It is the Sadar station of the district

BRINDABAN (population 17,148) —It is a place of great pilgrimage A large number of pilgrims assemble every year on the occasion of the Doljatra and Jhulan E I Ry passes through the district which is connected by road (metalled) with Delhi, Brindaban, Agra, etc B B & C I Rly and G I, P Rly, also pass through the district.

MUZAFFARNAGAR DISTRICT.

The district of MUZAFFARNAGAR comprises an area of 2,666 sq miles and a population of 894,662 speaking Urdu and Hindi The climate is moderate and the average rainfall is about 34" a year

Woollen goods, blankets, camel-wool blankets, pillow and coating cloth are made here

Cotton weaving is the most popular industry of the district Calico printing and ornamental curtains are also turned out Indigo manufacture is another important industry

The chief crops are wheat (250,000 acres), gram (152,000 acres), pulses (64,000 acres), maize (45,000 acres), sugarcane (118,000 acres), cotton (26,500 acres), fodder crops (133,000 acres) The wheat of Muzaffarnagar is highly prized in European markets and commands a fair price Cultivation is helped by irrigation from canals and wells The chief exports are wheat, raw sugar, rice and oilseeds

MUZAFFARNAGAR (population 35,347) The prosperity of Muzaffarnagar is largely due to its export trade in wheat and sugar, and the manufacture of country blankets An exhibition is annually held at Mazaffarnagar

KAIRANA (population 19,589) is another trade mart

ADVERTISE IN THE PAYING WAY—WRITE TO MANAGER, INDUSTRY OFFICE, SHAMBAZAR, CALCUTTA.

The traffic is carried by E I and N W. Rlys. which pass through it Local trade is confined to weekly markets

NAINITAL DISTRICT.

The NAINITAL district has an area of 2,677 sq miles and a population of 277,286 whose language is Hindi The Hill Station of Nainital lies at an elevation of 6,400 ft above sea level on the bank of a beautiful lake and is a well known sanatorium and favourite summer resort Average annual rainfall varies according to the climate from 46" to 77"

In the valleys good crops of rice (86,000 acres) and wheat 72,000 acres), are obtained from plots of land Rape and mustard (22,000 acres), pulse (22,500 acres), barley, maize, potatoes, tea and spices are also grown The potatoes of Nainital are in active demand from all parts of the country Oil seeds, sugar and cotton are produced to a very small extent The forest products are sal, shisham, haldu, khair, chir, oak, etc Building stone, iron, copper, gold, gypsum, sulphur and alum are the minerals obtainable in very small quantities

The headquarter of the district is NAINITAL which is the summer residence of the Governor of the province Good quality cotton cloth is woven at JASHPUR There is a brewery at NAINITAL

The imports to the district are piecegoods, salt, corrugated iron sheets and metals, the chief exports are potatoes, chillies, ginger, forest products, rapeseed, etc Considerable traffic passes through this district between the plains and the interior of the Himalayas, which makes it all the more important The chief marts besides NAINITAL are HALDWANI, RAMNAGAR, CHORAGALLIA, KALADHUNGI, JASHPUR, KASHIPUR, etc

Rohilkhand and Kumaon Rlys run from Bareilly to Kathgodam There is a good system of metalled roads

PARTABGARH DISTRICT

The district of PARTABGARH comprises an area of 1,458 sq miles and a population of 906,233 Languages spoken are Urdu and Hindi

The district is a richly wooded fertile plain and the average annual rainfall is about 38"

Excepting a small portion near the Ganges, the district is fertile, the chief crops being rice (116,000 acres), barley (130,000 acres), gram (47,500 acres), pulses (153,000 acres), gram, wheat arhar, peas, masur, jowar, bajra, poppy, sunn-hemp and sugarcane

Coarse cotton cloth and woollen blankets are woven and mulberries are reared at some places

The exports are grains, oil seeds, opium, sunn-hemp, hides, etc, and imports are piecegoods, metals, hardware, sugar, etc BELA, the Sadar Station is the chief mart besides small markets along the railway BELA is a junction on the E I Rly and the district is well provided with railways and roads

PILIBHIT DISTRICT

The PILIBHIT district comprises an area of 1,878 sq miles and a population of 448,838 It is 517 feet above sea-level and is situated 802 miles north-west from Calcutta Languages spoken are Urdu and Hindi Average rainfall amounts to about 50"

The soil is clayey, though other varieties are also met with The chief crops are rice (121,600 acres), wheat (110,000 acres), gram (62,400 acres), sugarcane (47,500 acres), barley, bajra and oilseeds There are stretches of grazing ground Large tracts of forests rich in sal trees cover a considerable area of the district in north and the east

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Sugar refining is the important industry. Wood carving is also done besides cart making and boat building Catechu is prepared in the north and cotton cloth is woven for local supply

The exports are wheat, sugar and rice Rice from Nepal also passes through the district which has a big trade in hill products (borax, pepper and ginger). The trade centres are NEORIA, BISALPUR and PURANPUR.

PILIBHIT town (population 36,892) The trade is chiefly concerned with agricultural products It is the Sadar Station

BISALPUR is an important market for gur and grains on the Rohilkhand and Kumaon line Wheat, rice, sugar, sunn-hemp are the exports Piecegoods, hardware and metals make up the imports It is an important depot for the products of Nepal and the Himalayas Carts and bedsteads are largely made and exported It is the chief source of supply of sabai grass

The district is well served by roads and railways, Lucknow-Sitapur-Bareilly branch running through it and connecting it with the great mart of Tarakpur at the foot of the Kumaon Hills

RAE BARELLI DISTRICT.

The RAE BARELLI district comprises an area of 1,745 sq miles and a population of 914,127 who speak Urdu and Hindi The district presents a beautifully wooded and gently undulating appearance and is very fertile and well cultivated The climate is generally healthy and average amounts to about 40"

The crops are rice (159 000 acres), wheat (104,000 acres), barley (84,600 acres), gram (76,000 acres), pulses (197,000 acres), jowar, arhar, kodan and millets besides poppy Pasture land is scarce

Coarse cotton cloth is woven at JAIS and RAE BARELLI (finer varieties) SALON manufactures coarse cloth which is locally consumed

The chief exports are grains, rice, poppy seed, hides, bones, gram, millet, oilseeds, tobacco and raw sugar and imports are piecegoods, metals, salt, sugar, and spices

RAE BARELLI town (population 18,180) —It is the chief commercial centre of the district There are two markets called CAPPERGANJ and BAELLIGANJ, in which the entire trade is concentrated It produces coarse and fine cloths and sends away finer cloths which have a good name

Other trade centres are LALGONJ, BAINTI and MAHARAJGANJ Trade is generally with Kalakaukar in Partabgarh E I Rly traverses it and road communication is fairly good

SAHARANPUR DISTRICT

The SAHARANPUR district occupies an area of 2,133 sq miles and is inhabited by a Hindustani speaking population of 1,043,920 The average rainfall is about 38".

Acreage under chief crops in 1932-33 —Wheat 307,000, rice 91,700, bajra 6,400, maize 77,500, pulses 56,000, gram 186,000, sugarcane 90,700, cotton 31,000, fodder crops 165,900, total 1,119,000 Sabai grass for paper making is available here in plenty

The district is also rich in animal life Karait and cobra, leopards and tigers, wild hogs and wolves, hyena and sloth bear are fairly abundant, while various sorts of deer, the gural and wild elephants are common in the Siwalik Hills

Saharanpur is famous for its luxuriant tropical forest trees and plants of the Siwalik slopes, besides the usual products of the plains which the district shares in common with other places in the Provinces

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The district is also famous for the excellent fruits of European varieties that are its special production.

Cotton weaving, wood carving, dyeing and printing of cloth, glass blowing, cotton ginning and pressing are the industries

Trade has been greatly developed by railways The exports are wheat and oil seeds in large quantities and the imports are salt, metals, piecegoods, etc

ROORKI (population 13,944) is noted for its Engineering College The Railway workshop, canal-foundry, sappers and miners shop and the College press at ROORKI are the industrial concerns

HARDWAR (population 33,287) —It is a favourite resort of Hindu pilgrims and has a very healthy and temperate climate

SAHARANPUR TOWN has a population of 78,055 Wood carving is the important industry The city has a big stud farm where imported horses are trained and acclimatized The Botanical Gardens here are an important centre for the distribution of plants and are also the headquarters of the Botanical Survey of Northern India

DEOBAND (population 22,126) is an important trade mart

N W Rly traverses it with the Hardwar and Dehra Dun Railway branches and there is a light railway from Shahdara to Saharanpur Metalled roads are sufficient

SHAHJAHANPUR DISTRICT.

The SHAHJAHANPUR district comprises an area of 1,744 sq miles and a Urdu speaking population of 905,131 Mango, bamboo, babul, sal, shisham and tun are common The average annual rainfall is 37"

The character of the soil is varied, the condition of agriculture is therefore complex The chief crops grown are wheat, rice, gram, bajra, poppy and sugarcane Acreage under crops in 1932 33 Rice 94,000, wheat 246,000, barley 34,100, jowar 41,300, bajra 75,300, gram 104,000, sugarcane 71,200 opium 3,000, fruits and vegetables 14,600, total 827,000

The chief manufacturing industries of the district are sugar and rum which are made at ROSA Mattings of baib grass are exported, coarse cotton cloth is woven for local use There are sugar factories in the district

The exports are gram, sugar (famous), oil seeds (from TILHAR), baib grass, mattings, chintz, coarse cotton and brass vessels The chief imports are foreign goods, metals and salt Forest products are floated down the river from Pilibhit

The chief trade centres are TILHAR (population 18,372) and SHAHJAHANPUR, but markets are held in many places in the district

SHAHJAHANPUR Town has a population of 79,316 with cantonment Sugar is the chief article of trade and commerce Hosiery factories are doing well

E I Rly traverses the district and carries almost all its traffic, there is also a steam tramway

SITAPUR DISTRICT

The SITAPUR district has an area of 2,253 sq miles and a population of 1,167,139 who speak Hindi and Urdu Average rainfall is about 39" The district is very fertile but backward Central portion of the district contains a good loam Mangoes, jack-fruit, shisham and tun, besides local fruit trees, are fairly abundant

The sandy soil produces bajra and barley, maize, sugarcane and wheat are grown in richer soil Acreage under crops in 1932-33 Rice 142,000, wheat 250,000, barley 101,000, maize 109,000, gram 150,000, pulses 283,000, rape and mustard 12,800, sugarcane 52,000, tobacco 27,000; total 1,194,000.

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The exports are grain, gram, oilseeds, raw sugar and opium The imports are piecegoods, yarn, metals and salt Opening of railways has given a great impetus to trade.

SITAPUR (population with cantonment 27,820), is the chief trading centre Besides, there are several good bazars along the Railway (Lucknow-Bareilly Metre-gauge Rly) A branch of the B & N W Rly now runs from Burhwal to Sitapur town

BISWAN is a Railway Station on the B & N W Rly and its paper industry and tobacco have a reputation in the market SIDHAULI, on the Metre-gauge line from Bareilly Lucknow Section, is an important grain market in the district

Important fairs are held at NIMKHAR and KHAIRABAD

SULTANPUR DISTRICT.

The SULTANPUR district extends over an area of 1,707 sq miles and is inhabited by a Urdu speaking population of 1,051,284 It has several jhils besides some small ravines The average rainfall is about 44" The Goomti bank is not very fertile but the inland country is fertile Usar lands are also common in the south

The crops grown are rice (228,000 acres), wheat (108,000 acres); gram (76,000 acres), cereals and pulses (184,000 acres), barley (90,900 acres), peas, masur, jowar, which are largely grown, besides sugarcane (20,700 acres), and fruits and vegetables (13,200 acres)

Coarse cotton cloth is woven Metal vessels of BANDHA are famous.

The chief item of export is grain The imports are salt, cotton, piecegoods and metals Trade is carried mainly by rails RAIPUR, GAURIGANJ, SULTANPUR and BAZAR SUKUL are the important trade centres

SULTANPUR, the headquarters of the district, lies on the right bank of the Goomti (river) on a branch of the E I Rly and on the Fyzabad-Allahabad road An annual cattle fair and agricultural show is held here There are two good grain markets and trade is very promising here The main line of the E I Rly, O & R section and a branch from Fyzabad to Allahabad, besides a loop line from Benares, serve well its purposes of transport and communication

UNAO DISTRICT

The district of UNAO comprises an area of 1,736 sq miles and a population of 885,700 souls whose languages are Urdu and Hindi The average annual rainfall is about 35" It is a district of average fertility The chief crops grown are barley (107,000 acres), wheat (114,000 acres), gram (65,000 acres), pulses (113,100 acres), arhar, bajra, rice, jowar, maize Poppy, sugarcane, cotton and oil seeds are also grown

Manufactures of the district are insignificant Indigo, salt, saltpetre, were formerly made but have since declined Chief manufacture is making of brass and copper utensils at BHAWANTNAGAR, NAWALGANJ, MURADABAD Cotton cloth is made for local use and calico printing is also practised

The exports are grain, sugar, ghee, metals, brass and copper utensils, but the trade is not considerable Imports consist chiefly of piecegoods, salt, metals and spices Both rail and road traffic exist here

UNAO (population 16,282), is the most important town in the district It is a municipality and stands on the E I Rly broad and narrow-gauge lines on the road from Cawnpore to Lucknow

The district is well served with railways—a branch of the E I Rly, B & N W Rly and the Narrow-gauge line of the Rajputana-Malwa running across the district

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MARKET PLACES OF THE PUNJAB.

THE Punjab is literally a 'land of five rivers.' It is encircled and watered by the Jhelum, the Chenab, the Ravi, the Beas and the Sutlej. The area of the Province is 100,000 square miles and, according to 1931 Census its population is 23,580,851, excluding the Indian States. Of the population about 90 °/o are rural and only 10 °/o urban, while 55 °/o are Moslems, 32 °/o Hindus and 11 °/o Sikhs; the rest consisting of Christians, Parsees, Buddhists, and Jains The principal languages are Hindi, Gurmukhi, Pahari, etc.

Climate:—The climate of the Province is extreme, very chilly and cold during winter and very hot during the summer months when as a rule the nights are pleasant But, on the whole, it is healthy and invigorating In the summer, the temperature rises to 115°F or even 121°F and in the winter snowfalls are often recorded in some parts Rainfall averages about 15" to 20".

Soil:—The soil is sandy loam but is aided by a network of irrigation canals for raising wheat and cotton Manuring is practised near villages; and sugarcane, maize, wheat, tobacco and vegetables are as a rule always manured Millet and gram are neglected Dung of animals forms the chief manure, the animals being often folded together for the sake of their manures.

Crops:—The Punjab is essentially an agricultural province and wheat is its most important crop. 9,773,000 acres, which is about one-third of its total cultivated area, is under this crop in 1933-34 In fact, the Punjab is the greatest wheat bearing tract in India. Tobacco, melons, sugarcane, etc, are largely grown. Cotton of improved types are also cultivated on a very large scale (2,476,000 acres). Among other principal crops grown in the Punjab mention may be made of gram and barley, which are grown for sale Millets of different varieties are also cultivated Rice is grown in the Kangra Valley. Oilseeds occupy a large acreage of the land. The chief crops during 1933-34 were wheat (9.8 million acres), bajra (3,356,000 acres), jowar (875,000 acres), maize (1,056,000 acres), gram (6,586,000 acres), rape and mustard (1,129,000 acres), sesamum (94,000 acres), barley (709,000 acres), linseed (30,000 acres), cotton (2 5 million acres), sugarcane (467,000 acres), tea (6,200 acres) Sann, sugarcane, poppy and tobacco are raised and tea is grown in the Kangra Valley. Area under indigo is small; potatoes, mangoes, fruits and other vegetables and drugs are grown on the hill slopes and valleys for purposes of sale and export.

Total area under crops in the Punjab during 1933-34 was 30 million acres. The districts where the crops are raised on a big scale are:—

Rice—Gujranwala, Sheikhupura, Kangra; Wheat—Ferozepur, Multan, Lyallpur, Shahpur, Attock, Gujrat, Montgomery, Sialkot; Barley—Gurgaon, Hissar; Jowar—Rohtak, Dera Ghazi Khan, Hissar; Bajra—Hissar, Rohtak, Gurgaon; Maize—Kangra, Hoshiarpur; Gram—Hissar, Ferozepur, Rohtak, Mianwali, Karnal; Linseed—Kangra; Sesamum—Gurdaspur, Kangra, Multan; Rape and Mustard—Montgomery, Multan, Lahore, Sheikhpura; Condiments and Spices—Karnal; Sugarcane—Lyallpur, Gurdaspur; Cotton—Lyallpur, Montgomery, Multan; Tea—

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Kangra, Tobacco—Jullunder, Jhang, Fodder crops—Ferozepur, Montgomery, Hissar, Fruits and Vegetables—Hoshiarpur, Amritsar, Lahore

Cattle:—Montgomery, Harina, Malwa are the breeds of cattle and Hissar, Delhi, Rohtak, Gurgaon are the centres of cattle breeding Buffaloes are valuable assets in the Province Sheep are abundant, camels are found The principal cattle fairs are those of Amritsar, Jahazagarh, (Rohtak), Kulu, Shah (Sialkot) and Hissar Large profits are made from dairy trade

Timber:—Sal timber is found in Ambala and Sirmoor State The forests are all conserved

Minerals:—The Punjab possesses extensive mineral resources, but sufficient enterprise is rather wanting in this direction Coal is now worked in the district of Jhelum, Mianwali and Shahpur The output of coal during 1934 in the three areas were 54,909 tons, 64,986 tons and 5,371 tons, respectively Petroleum is raised in Attock, Khaur and Rawalpindi The annual production is about 6 million gallons Salt mixed with gypsum, is obtained from the Northern Salt Range in large quantities and worked at Khewra and Nurpur It is a Government monopoly and the annual output averages about 450,000 tons Rock salt also occurs in the Salt Range Small quantities of iron are found in Kangra, copper is met with in Kulu, and slate is found in the Mandi State Saltpetre, carbonate of soda, salt ammoniac are found plentifully in Shahdara, Mianwali, and other places About thirty-five per cent of the saltpetre from British India was produced in the Punjab Gold and other precious stones are available in small quantities

Cottage Industries:—Cotton spinning and weaving is the domestic industry More than three lakhs of weavers are engaged in this profession The important weaving centres are Delhi, Ludhiana, Peshawar, Multan, etc Rugs and carpets of cotton are made at Lahore, Ambala, Multan and Amritsar, cotton printing by wooden blocks is done at Kot Kamala Sultanpur and Lahore The handloom weaving industry, by far the most important cottage industry in the province, showed definite signs of recovery It is a hopeful sign that the Ludhiana weavers of silk and artificial silk adapted themselves to the market conditions by undertaking the production of woollen goods from August to October and were thus able to keep themselves busy throughout the year The cheap mosquito net, which is being very widely recommended by the Rural Reconstruction Department, has furnished an undoubted incentive to handloom weavers of the province Ginning of cotton is done on an organised scale all over the cotton producing areas Blankets, felts, and rugs from sheep's wool are made at Dera Ghazi Khan, Bhera and Hissar Hissar district is, by the way, one of the largest markets in India of the trade in raw wool And one of the largest markets in India for indigenous wool is at Fazilka in the Punjab, the other being Beawar in Rajputana A very considerable quantity of good quality wool is imported into the Punjab via Afghanistan, the chief collecting centres being Shikarpur, Amritsar, and Multan Wool from Tibet and Kashmir, and pashmina which comes through Kashmir, are worked and embroidered at Amritsar Sericulture is another cottage industry of some importance in the sub-montane district of the Punjab brodering on Jammu and Kashmir But the amount of raw silk produced is only a fraction of the total output of British India Silk comes mainly from China and is woven at Amritsar, Lahore, Patiala, Batala, Montgomery and Bahawalpur The trade in lac is practically a monopoly of India and in the Punjab its cultivation is increasing Iron smelting is carried on in Kangra on a small scale and the cutlery of Bhera and Gujranwala is famous Glazed pottery is made at Multan

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and glass bangles, etc, are manufactured at Kurnool, Kangra, Hoshiarpur and Lahore Wood carving is done at Lahore Ivory carving is done at Amritsar, Patiala, and other places There are several breweries A certain amount of crude borax enters the Punjab from Lodakh and is refined at Lahore and Sultanpur

Major Industries:—Chief among the major industries may be mentioned textile industry, hosiery knitting, woollen goods manufacture, match making, sporting goods manufacture, etc Glass, chemicals, soaps, resins, cement, etc are developing rapidly There are 6 cotton mills equipped with 88,752 spindles and 1,377 looms, 15 flour mills, 20 rice mills, 18 hosiery mills, etc

The textile industry continued to be the most important in the province, and two valuable additions were made to it by the opening of the Punjab Textile Mills, Montgomery, and the Lyallpur Cotton Mills The Mela Ram Cotton Mills, Lahore, worked to capacity while the Naram Swadeshi Ribbon and Trimming Mills, Amritsar, increased their plant The Amritsar carpet industry has luckily been provided the much needed fillip by the preference allowed to Indian carpets in the United Kingdom

The most notable advance of the year was that the hosiery industry at Ludhiana was able to double its output to Rs 40,00,000 This was due to the tariff duty on imported hosiery goods Ludhiana has become a great hosiery centre and was able to offer employment to about 6,000 workers It was able to augment its stock of machinery by about a lakh of rupees worth The hosiery factories at Lahore and Amritsar also did quite well

The sugar industry in the province continued generally to be in a depressed state and worked at a loss Similarly the two match factories in the province closed down on the imposition of Excise duty, but resumed work from the 15th of September 1934

The manufacture of cutlery and surgical instruments, in view of the developments that are taking place at Sialkot, Wazirbad and Nizamabad, affords signs of fair promise The sports goods industry, which is mainly centred at Sialkot, had a good year as a result both of increase in the local demand and preferential tariff enjoyed by it in Empire countries The tanning industry did not show much progress during the year due to the keen competition of Agra and Cawnpore The hides and skins were exported for being tanned

Factories:—The number of factories registered under the Indian Factories Act increased from 712 in 1933 to 720 in 1934 Of these only 598 actually worked

Hydro-electric Power:—The Uhl River Hydro-Electric Project was opened by His Excellency the Viceroy on the 10th March 1933 Factory owners are becoming increasingly conscious of the advantages of electric power

Trade:—Export of wheat is the main source of wealth of the Province Other principal exports are Indian piecegoods, cotton twist and yarn, drugs, turmeric and other dyes and tans, oilcake, oilseeds, mineral and vegetable oils, fresh fruit and vegetables, bran and crushed fodder, gram, pulse, wheat, flour, hides and skins and leather, saltpetre, timber, wool (raw and manufactured), unrefined sugar, tobacco, salt, etc. The imports are cotton piecegoods, twist, yarn, dyes, tans, gunny bags, cloth, liquors and even wheat and grains in times of scarcity, besides chemicals, drugs, medicines, hemp and other fibres, metals and machinery, rice, coconut oil, coal and coke, copra, mineral oils, paper, pasteboard, ghee, dried fruits and nuts, spices, tea, manufactured tobacco, provisions, refined sugar, etc. Export trade is mainly with

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Karachi in wheat, raw cotton, oilseed, hides and raw wool The imports through Karachi are piecegoods (both woollen and cotton), sugar, metals, railway plants, silk, tea, tobacco, etc Trade with Kashmir is chiefly in rice, grain, ghee, timber, oil seeds, wool, silk, hides and skins and fruits from Kashmir The exports to that place are piecegoods, wheat, tea, metals, sugar, salt, tobacco, charas, borax and ponies The exports to Kabul through the Passes are cotton, metals, leather, piece goods and sugar, the imports from Kabul are fruits, ghee, raw wool, etc, etc

The principal commercial centres in the Province are Lahore, Jullunder, Ludhiana, Multan, Sialkot and Amritsar Commercial activity in the Punjab appears to have noticeably developed within recent years The Punjab has considerable trans-frontier trade It plies a good trade with Northern and Eastern Afghanistan and Kashmir and through them with Central Asia and Turkistan

Rail-Borne Trade during 1934-35·—**Imports** (in 1000 mds)—Cement (1,912), coal (49,189), cotton (113), yarn (217), piecegoods, foreign (488), do Indian (1,481), fruits dried (343), glass (251), rice (1,592), wheat (603), hemp fibre (98) hides raw (75), skins raw (105), gunny bags and cloth (729), iron and steel (4,533), oil cakes (1,041), kerosene (1,242), vegetable oils (516), cotton (641), groundnut (105), rape seed (155), ghee (55), salt (352), sugar (5,079), gur (2,571), tea (113), tobacco raw (194), teak (174), other timber (2,127)

Exports (in 1 000 mds)—Bones (474), cement (74), cotton (6,710), yarn (18), piecegoods, foreign (68 5) do Indian (250 6), fruits dried (159), rice (772), wheat (8,850), wheat flour (2,580), hemp (60), hides raw (93), skins raw (187), gunny bags and cloth (63), iron and steel (589), vegetable oils (81), cotton seed (397), rape and mustard (1,703), sesamum (112), salt (1,145), saltpetre (208), gur (220), tobacco (42), wool (81), timber (618)

Transport and Communication·—Almost all the towns are now connected with the interior by a system of motor buses, which generally carry passengers, but motor lorries are also used now-a-days for carrying goods in some cities and stations on the railway line

The Punjab, which is strictly speaking, an entirely inland country having its five rivers practically unnavigable during the greater part of the year, has got to have all its trade movements by railway and road And it is well provided with railways and roads Karachi in Sind, the natural harbour of the Punjab, is directly connected with the Province by the N, W Rly The Southern Punjab Railway and other branches of the N W Rly traverse the Province and link almost all the important towns for easy means of communication and transport The B B & C I Rly crosses the south-east border of the Province There are about 7,000 miles of railways open in the Province, besides about 4,000 miles of metalled roads including the Grand Trunk Road leading to Calcutta There are about 25,000 miles of unmetalled road and about 200 miles of navigable canals

AMBALA DISTRICT.

The AMBALA district comprises an area of 2,627 sq miles and a population of 742,902 whose languages are Hindustani and Punjabi Rainfall averages about 28" The autumn harvest is more important than the spring one The chief important crops are wheat and gram, other crops are barley, maize, rice, pulses millet, cotton, poppy, etc

Acreage under crops in 1932-33 —Rice 57,800, wheat 206,000, barley 9,600, jowar 32,900, bajra 20,500, maize 72,500, gram 172,000, other grains and pulses 73,000, linseed 20,000, sesamum 3,100, rape and

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mustard 43,000; total oil seeds 48,400; condiments and spices 1,400; sugarcane 24,600; cotton 46,000; other fibres 2,200; fodder crops 146,000; fruits and vegetables 19,000; total 934,000.

The district produces excellent cotton carpets. There are ginning and pressing factories besides a big flour mill and a factory of scientific apparatuses.

AMBALA CITY (population 86,592) is a big grain and castor market and imports gram and cotton from Phulkian States and Ludhiana. It imports cotton cloth and iron from the south besides woollen, silk and wooden goods. The chief exports are carpets, ginger, turmeric, potatoes, opium and charas. There is a big glass factory here which is doing well. The aluminium factory however has lately stopped working. It is the Sadar Station. It is a junction in the North Western Rly. Distance is 989 miles from Calcutta, 988 miles from Bombay, 123 miles from Delhi, 187 miles from Lahore, and 846 miles from Karachi.

RUPER is another mart for commerce with considerable trade in grain, sugar and indigo. Salt and iron are exchanged as well as ginger, turmeric, potatoes and country-made cloth.

JAGADHRI (population 13,268) has a good trade in minerals and metals and is also a centre of borax trade. Copper and iron are imported. A big paper mill has lately been started here. It is capable of producing paper to the value of 50 lakhs of rupees. It is 31 miles from Ambala Cantonment. A small railway runs between the station on the main line of N. W. Rly. and the town.

KASAULI:—It is a sanatorium and a hill station 8 miles from Dharampur Rly. Station on the Kalka-Simla Railway frequented both by Europeans and Indians. It contains the Pasteur Institute for the treatment of rabies.

SOHANA:—Cooking utensils and glass bangles are made here.

AMRITSAR DISTRICT.

The AMRITSAR district has an area of 1,574 sq. miles and a population of 1,117,120. Languages spoken are Gurmukhi, Punjabi and Urdu. The average rainfall is about 20".

Acreage under crops in 1932-33 in 1,000 acres:—Rice (30), wheat (287), barley (7.4), bajra (32.9), maize (47), gram (72), other grains and pulses (9.5), sesamum (9.8), rape and mustard (35), total oil seeds (44.7), condiments and spices (1.8), sugarcane (32.5), cotton (61.6), other fibres (1.1), tobacco (2.5), fodder crops (230), fruits and vegetables (23), total (883).

Raw wool of fine quality is available here in large quantities for internal trade and export.

AMRITSAR (population 264,840):—It is the most flourishing city in the Punjab and is famous for its carpets and shawls of pasham (fine wool of Tibetan goat) which have a ready sale all over the world, cotton spinning and ginning workshops are the other industries. The articles of import are grains, pulses, sugar, oil, salt, tobacco, raw cotton, piecegoods, threads, shawls, wool, wood, silk, coarse cloth, blankets, metals, hardware, glass and dye stuffs; many of these imports however are re-exported. The exports are wheat, shawls, carpets, cotton goods, brass vessels, jewellery, etc. Dry salted goat skins technically known as Amritsars are exported from this place. Two large fairs are held here—one, the Baisakhi, during April and other, the Diwali, during November. There is also a large trade in those fairs mentioned above with merchants of distant lands like Bokhara, Kabul and Kashmir, mainly centering round the carpet industry. An important cattle fair

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is held along with an annual horse fair Among the new industries of the town may be mentioned the manufacture of textiles, acids and chemicals, aluminium wares, soap, hosiery, oil, leather, glass iron foundries etc

It stands on the main line of the N W 'Rly and is 33 miles from Lahore, 400 miles from Agra and 1,143 miles from Calcutta Besides Dharamsalas, there are decent hotels in the town and in the civil lines Conveyances are available in the town which is electrified

ATTOCK DISTRICT

The ATTOCK district (area 4,178 sq miles, population 583,960) has an average rainfall of about 17" The chief produce of the district are —Wheat 421,000 acres barley 14,400 acres, jowar 26,900 acres, bajra 174,000 acres, maize 25,300 acres gram 52,000 acres, other grains and pulses 24,800 acres, sesamum 1,800 acres, rape and mustard 18,000 acres; total oil seeds 19 700 acres, cotton 3,800 acres, tobacco 2,300 acres, fodder crops 64,000 acres fruits and vegetables 3,000 acres, total 843,000 acres

Cotton and sugarcane are also grown The district is noted for horse breeding Countrymade cloth, iron vessels, locks, stirrups, saddles shoes, soap and snuff are the industries The district has very little trade

CAMPBELLPUR, Sadar Station, is a small cantonment and municipality 528 miles from Delhi

WAH —It is a growing centre of trade with a big cement works where cement, cement tiles and allied products are made

ATTOCK —Mineral oils (petroleum) have been mined at the place and find wide market in the Punjab and elsewhere It is situated on the bank of the Indus on the main line of the N W Rly Hasanabdal 29 miles from Rawalpindi on the main line of N W Rly, is a place of historical interest

HAZRO —An important town in the district

DERA GHAZI KHAN DISTRICT

The DERA GHAZI KHAN district (area 5,325 sq miles, population 491,044, languages, Multani or Jatki and Baluchi) on the Indus is exceedingly dry but is not unhealthy except in the water logged portion The annual rainfall averages 15"

The soil consists of rich loam which has to depend on irrigation due to scanty rainfall

Area under crops in 1932-33 —Rice 65,600 acres, wheat 175,000 acres, barley 5,400 acres, jowar 199,000 acres, bajra 92,600 acres, gram 49,000 acres, other grains and pulses 55,300 acres, sesamum 1,200 acres, rape and mustard 41,000 acres, total oil seeds 43,800 acres, cotton 22,000 acres, indigo 1,000 acres, tobacco 2,200 acres fodder crops 25,800 acres, fruits and vegetables 1,300 acres, total 744,000 acres

The industries of the district consist of weaving of woollen fabrics, blankets, carpets and saddle bags, silk is woven at DERA GHAZI KHAN and ivory bangles are made There is also a cotton ginning and spinning mill in the district Blankets, felt, rugs from sheeps' wool are made at Dera Ghazi Khan, which is the Sadar Station of the district

The exports to Karachi down the Indus are wheat, millet, indigo, opium, cotton, hides and mustard seed Wheat and millet are imported from higher up the Indus Other imports are salt, pulses, sugar, leather, iron and piecegoods from Multan

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The chief trade centre are DERA GHAZI KHAN (population 23,468) and MITHARKOT.

The India-Khorasan trade is carried on mainly through Dera Ghazi Khan. The district has a network of good railways.

FEROZEPUR DISTRICT.

The FEROZEPUR district (area 4,286 sq. miles; population 1,159,732; languages, Punjabi and Hindustani) is dry and healthy. The average rainfall is about 15". The condition of cultivation varies according to distance from the hills. Raw wool of the district is considered good.

The main crops grown are wheat and gram, barley, millets, rice, maize and moth are also cultivated.

Area under crops in 1932-33:—Rice 14,300 acres; wheat 478,000 acres; barley 70,600 acres; jowar 158,000 acres; bajra 157,000 acres; maize 40,300 acres; gram 504,000 acres; other grains and pulses 68,100 acres; sesamum 1,200 acres; rape and mustard 125,000 acres; total oil seeds 126,000 acres; condiments and spices 4,900 acres; sugarcane 10,600 acres; cotton 131,000 acres; other fibres 2,300 acres; tobacco 3,100 acres; fodder crops 322,000 acres; fruits and vegetables 16,800 acres; total 1,971,000 acres.

The industries are purely local; coarse cloth and blankets are woven; carts of Ferozepur are famous; mats and lacquer work are also made.

The chief exports of the district are wheat, pulses, maize, barley, wool, tobacco, cotton and other agricultural crops which are carried by the producers direct to Ludhiana, Amritsar, Bahawalpur, Lahore, Jullunder and Hoshiarpur. The main imports are sugar, cotton, sesamum, metals, piecegoods, indigo, tobacco, salt, rice, pulses, etc. Grain markets are quite abundant in the district.

FEROZEPUR (population 64,634), the Sadar Station, is a seat of thriving commerce. It is a large and prosperous grain market. Its Arsenal employs a number of people.

BHATINDA (population 22,771):—The adjoining country produces all sorts of grains and seeds and also mau-mustard and soft ghee which are sufficiently obtainable and are exported by rail.

MOGA (population 17,581), a Station on the Ludhiana-Ferozepur line on the N. W. Rly. and 34 miles from Ferozepur, is one of the leading markets for grain in the district. It is equipped with a Sarai near the Railway Station and a Hospital in the bazar. It exports principally wheat, gram, barley, ghee and maize; while its main items of import are sugar, piecegoods, cotton seed, and arms and ammunition.

ABOHAR (population 14,035) only 45 miles from Bhatinda on the Bhatinda-Samasata line (N. W. Rly.), is a big market for wool, gram, tobacco, sajji, oilseeds, and vegetables.

FAZILKA (population 18,463) a junction on Ferozepur-McLeodgunj line on North Western Rly. and Bhatinda-Fazilka line of the B. B. & C. I. Rly., is the leading wool market in India exporting a very large quantity of Bikanir wool to Liverpool via Karachi. Besides wool, wheat, ghee, gram, tobacco, chillies and hemp are also exported from here. Sugar, piecegoods and iron are its chief imports.

MUKTSAR (population 14,839) is a sacred place of the Sikhs where at the annual fair on Makar Sankrant Day about 50,000 people congregate from all parts of the Punjab. It is one of the important markets for grain specially wheat and gram. It exports a large quantity of ghee, vegetable oil, and gur.

Other centres of trade are ZIRA, NATHANA.

Poultry Farming: A handbook on Poultry Farming and Duck Breeding. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

GUJRANWALA DISTRICT.

The GUJRANWALA district (area 2,907, population 736,138, Hindustani and Punjabi) is dry and very healthy, the average annual rainfall varies from 23" to 27" Fertility of soil and rainfall decrease as we go farther from the hills The chief crops are wheat, gram, barley, cotton, millet, rice, maize and pulses

Area under crops 1932 33 —Rice 143,000 acres, wheat 339,000 acres, barley 18,400 acres, jowar 3,400 acres, bajra 56,500 acres, maize 9,400 acres, gram 95,000 acres, other grains and pulses 6,700 acres, rape and mustard 36,000 acres, total oil seeds 37,400 acres, sugarcane 25,400 acres, cotton 39,700 acres, tobacco 3,500 acres, fodder crops 143,000 acres, fruits and vegetables 9,900 acres, total 935,000 acres

Gypsum is made at NURPUR

Silk and cotton cloth are woven and there are several steam mills and factories Oil milling is done SANGLA, HAFIZABADAD and GUJRANWALA are the centres of mill industry A large and growing trade is carried on in wheat, grains cotton oil, oilseeds, brass vessels, ghee

Principal items of export are iron safes, brass vessels, gram, linseed, aluminiumware, and wheat The imports consist chiefly of piecegoods, paper, cloth, country soap, sugar, wines, and general merchandise

GUJRANWALA (population 58,716) —The Sadar Station is noted for fine cutlery, nut crackers, etc There is an aluminium factory here It is a centre of trade for grains

HAFIZABAD (population 14,431) —It is an important gram, cotton, and rice market 30 miles from Gujranwala (by road) and 100 miles from Lahore It exports large quantities of rice, gram, wheat, cotton, sugar, etc and imports cotton and woollen goods, sugar, spices, coal and general merchandise

WAZIRABAD (population 20,707) a centre of considerable trade in the district, lies at a distance of 20 miles from Gujranwala The chief industry of Wazirabad is cutlery and Mallacca sticks The trade of the town is timber from Kashmir which arrives via the Chenab

GUJRAT DISTRICT.

The GUJRAT district (area 1,973 sq miles, population 922,427, language Punjabi) lies on a narrow strip of the sub-Himalayan tract and is hilly to a certain extent Rainfall averages about 28"

Area under crops in 1932-33 —Rice 17,700 acres, wheat 362,000 acres, barley 15,200 acres, jowar 25,300 acres, bajra 161,000 acres, maize 13,800 acres, gram 99,000 acres, other grains and pulses 42,900 acres, sesamum 1,900 acres, rape and mustard 46,000 acres, total oil seeds 48,600 acres, sugarcane 13 400 acres, cotton 59,700 acres, other fibres 1 200 acres, dyes and tans 5,100 acres, tobacco 4,300 acres, fodder crops 131,000 acres fruits and vegetables 15,200 acres, total 1,016,000 acres

Furniture of Gujrat is of good quality Damascening of iron and brass for ornamental work, cotton cloth weaving and hemp sack making form the industries of the district Inferior wool and pasham are woven at JALALPUR Soap making and boot and shoe making are also done

The district exports, in considerable quantities, wheat, millet, oil seeds, oil, ghee, wool, cotton and hides by rail generally The district imports piecegoods, iron, salt, sugar, rice, wool, brass vessels, spices, dyes, etc GUJRAT is the Sadar Station and the only place of commercial importance It has a population of 26,511 and is a distributing centre of raw iron, foreign goods, etc to the villagers Trade in dried fruit from Kashmir is also pursued

Poultry Farming: A handbook on Poultry Farming and Duck Breeding. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta

Other trade centres are JALALPUR JATTAN (12,507) and KHUSHAB (population 14,194)

GURDASPUR DISTRICT

The GURDASPUR district (area 1,822 sq miles, population 970,898, language, Punjabi) is intercepted by numerous hill streams, besides the Ravi and the Beas The annual rainfall averages about 80".

The soil is rich and fertile The Doab and the river beds are particularly so

Area under crops in 1932-33 —Rice 58,900 acres, wheat 341,000 acres, barley 24,200 acres, jowar 6,500 acres, bajra 13,300 acres, maize 51,000 acres, gram 76,000 acres, other grains and pulses 97,700 acres, linseed 2,800 acres, sesamum 29,000 acres, rape and mustard 12,200 acres, total oil seeds 44,400 acres, condiments and spices 1,400 acres, sugarcane 69,600 acres, cotton 27,400 acres, other fibres 3,600 acres; tobacco 2,000 acres, fodder crops 152,000 acres, fruits and vegetables 15,600 acres; total 986,000 acres

The other crops grown are barley, bajra and jowar

PATHANKOTE tahsil is abundantly wooded and contains many mango groves and bamboos The woollen mill at DHARIWAL produces woollen goods, hand weaving of wool is also practised Wool used generally comes from Tibet Coarse blankets and soap are made at BATALA Harness and leather goods are made at DINANAGAR Iron, sugar and ivory bangles are also made in the district Sugar refining is widely practised There is distillery at SUJANPUR and there is also a brewery at DALHOUSIE

The chief exports are grains, sugar, oil seeds, cotton and woollen stuff The main imports are rum (from Sujanpur), beer (from Dalhousie), gram from Ludhiana and Ferozepur), ghee (from Kashmir), cotton (from Ruper), iron and piecegoods (from Delhi and Amritsar)

GURDASPUR (population 12,094) is a Station on the N W Rly, 78 miles from Lahore and 22 miles from Pathankote It is the administrative headquarter

BATALA (population 33,204) is an important market for gram, wheat, gur, sugarcane, raw sugar vegetables, potatoes, oil, rice and pulses Lungis, susi, belts, and silk cloth are made here It is the chief trade centre in the district

DALHOUSIE, a hill station and a sanatorium in Pathankote, is the summer head-quarters of the Commissioner of Lahore Division It is 7 687 feet above sea level

BAHLOH is another hill station in the district.

Traffic is mainly carried by rail, but road traffic to Sialkot and Jammu also exists.

GURGAON DISTRICT

The GURGAON district (area 2,217 sq miles population, 740,163, languages, Urdu, Hindi and Mewati) is situated on the outlying hills of the tableland of Rajputana The rainfall averages about 25"

The chief crops are barley, wheat, millet, pulses, cotton, sugarcane, etc.

Area under crops in 1932-33 —Wheat 87,000 acres, barley 137,000 acres; jowar 105,000 acres, bajra 383,000 acres, maize 3,500 acres; gram 149,000 acres, other grains and pulses 45,100 acres, sesamum 2,300 acres, rape and mustard 112,000 acres, total oil seeds 113,900 acres, condiments and spices 3,600 acres, sugarcane 12,200 acres, cotton 19,800 acres, other fibres 1 600 acres, dyes and tans 3,700 acres, tobacco 2,200 acres, fodder crops 107,000 acres fruits and vegetables 2,400 acres, total 1,177,000 acres

India's Food Problem: A Popular handbook series. Price As. 4
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

The industries comprise weaving of coarse cotton cloth Muslin is woven at REWARI but brass manufacture of REWARI is the chief industry Shoes are made at JHARSA There are several ginning and pressing factories Distillation is carried on at FEROZEPUR-JHIRKA

The chief exports are sugar, grains, piecegoods, hardware, besides cereals and pulse in which it has a large trade The imports are salt (from Sambhar Lake), iron, etc

GURGAON, the Sadar Station, is 20 miles from Delhi on the B B & C I Ry It is not of much importance as a trading town Its principal items of trade are ghee, gram and cotton

REWARI (population 26,269), the chief centre of trade in the district, is a station on the B B & C I Rly, 52 miles from Delhi and 797 miles from Bombay It has a large export trade in wheat, gram, mung pulse, sugarcane, barley, metalware and brassware and the merchants deal with Northern India and Rajputana

BALABAGH, a station on G I P Rly, 27 miles from Delhi and 930 miles from Bombay, possesses a mandi for grain, bajra, gram, barley, and cotton PALWAL (population 10,807) also on the G I P Rly (Agra and Delhi Br), is a depot for the cotton of the surrounding country, and HODAL exports ghee, cotton, gram, and wheat

Other trade centres are NUH, FIROZEPUR-JHIRKA, HATTIN, NAJINA, PANCHANA HANSANPUR and FURRUKHANAGAR (for Sultanpuri salt) The traffic is mainly rail-borne

HISSAR DISTRICT

The HISSAR district (area over 5,000 sq miles, population 889,479, languages, Urdu, Punjabi and Bagri) situated on the border Rajputana The rainfall is about 16" on the average Cattle of Hissar are reliable and the wool of this place takes the foremost place among Indian wool

The crops raised are gram, barley, wheat, spiked millet great millet, pulses, sugarcane and cotton, where the land is irrigated, maize, rice etc are also grown to a small extent Area under crops in 1932-33 —Rice 7,200 acres, wheat 74,000 acres, barley 54,800 acres, jowar 134,000 acres, bajra 983,000 acres, gram 256,000 acres, other grains and pulses 120,400 acres, sesamum 5,400 acres, rape and mustard 20 300 acres, total oil seeds 25,700 acres, sugarcane 1,700 acres, cotton 59,700 acres other fibres 1,800 acres, tobacco 1,100 acres, fodder crops 320,000 acres, fruits and vegetables 6,500 acres, total 2,049,000 acres Coarse cotton cloth is woven There are ginning and pressing factories HANSI is the industrial centre besides BHIWANI and NARANUD Brass and metal works are situated at BHIWANI, which is noted for its carved doors and carpentry work The centres of trade are BHIWANI, HANSI, HISSAR, BUDHLADA and SIRSA

Piecegoods are hardware are the imports The exports include wheat, flour, ghee, gram, barley and cattle Trade is mainly rail-borne with Rajputana

HISSAR (population 25,179) is a junction on the Bhatinda Rewari Section of the B B & C I Rly and the terminal of the N W Rly (Ludhiana-Dhuri-Jakhal Section) It is the Sadar Station and is famous for good cattle Buffaloes are exported from here to as far as Bombay It has a large trade in cotton and red-pepper There are cotton ginning and pressing factories The place is noted for blankets, felts, etc, and is an important centre for export of grain, fruits, raw sugar, and vegetables to Rajputana Ghee from the surrounding villages is collected here and finally exported to Delhi and other places in the Province

India's Food Problem: A Popular handbook series. Price As 4.
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SIRSA (population 18,909):—This place is situated on the B. B. & C. I. Rly. by the Ghaggar. The surrounding country produces valuable agricultural crops of grains and seeds, which are exported in large quantities. Soft ghee is available and is largely exported. Other products of the place include gram, maize, wheat, linseed, mustard seed, kalai, masuri, khesari, cotton, arhar, castor oil and cake, sugar, etc. Goods are transported by rail to Delhi generally.

BHIWANI (population 35,866), 38 miles from Hissar, is famous for its annual horse show fair which continues for fifteen days. It exports wheat, gram, barley, and gur; and imports cloth, sugar, spices, and general merchandise.

Other centres of trade are HANSI (population 18,356), FATEHABAD, TOHANA and DABWALI.

HOSHIARPUR DISTRICT.

The HOSHIARPUR district (area 2,180 sq. miles; population 1,032,187; language, Urdu and Punjabi) is so situated that the Siwalik Hills form the backbone of the district. Area under crops in 1932-33:—Rice 26,100 acres; wheat 290,000 acres; barley 5,200 acres; bajra 17,300 acres; maize 141,000 acres; gram 151,000 acres; other grains and pulses 49,000 acres; linseed 2,500 acres; sesamum 4,500 acres; rape and mustard 10,700 acres; total oil seeds 17,700 acres; sugarcane 34,100 acres; cotton 23,300 acres; other fibres 4,100 acres; tobacco 3,700 acres; fodder crops 145,000 acres; fruits and vegetables 22,000 acres; total 932,000 acres.

Mangoes are abundant during the season and are largely exported to Lahore, Amritsar and other places.

The industries consist of weaving of cotton fabrics, (coloured turbans and cloths). Ivory or bone and copper inlaid work is done at HOSHIARPUR; lacquered wooden work and silver work, glass bangles, shoes of Sambhar (deer), cups and glass of coloured glass (at DASUYA), brass vessels (at BAHADURPUR) are also made. Glass bangles are also made in the district.

The exports are rice, gram, barley, sugar, hemp, safflower fibres, tobacco, indigo, cotton, lac and wheat. Sugar is refined in large towns and exported to Amritsar. The imports are cotton cloth from Delhi and Amritsar, millet and other crops come from the south of the Sutlej and cattle come from Amritsar. Trade is rail and road borne.

HOSHIARPUR (population 26,730) is the headquarters of the district and stands on the N. W. Rly. and on the Lahore Jullundur-Hishiarpur Section. It is famous for the production of articles of wood inlaid with ivory, for brasswares and glass bangles. The principal trade of the town consists of exports of grain, sugar, rice, and tobacco.

JHANG DISTRICT.

The JHANG district (area 3,390 sq. miles; population 664,883; language, Punjabi) is very dry and the rainfall averages about 10".

Area under crops in 1932-33:—Rice 2,000 acres; wheat 319,000 acres; barley 7,900 acres; jowar 32,600 acres; bajra 31,200 acres; marua 1,800 acres; maize 16,600 acres; gram 43,000 acres; other grains and pulses 60,000 acres; sesamum 2,200 acres; rape and mustard 11,100 acres; total oil seeds 13,300 acres; sugarcane 4,500 acres; cotton 84,000 acres; tobacco 3,400 acres; fodder crops 166,000 acres; fruits and vegetables 1,900 acres; total 880,000 acres. Raw wool of the district is important.

Wood carving and carpentry of CHINIOT (population 25,841) are famous. Saddles and locks of good quality are made at JHANG-MAGHIANA. Cotton weaving is practised. Preparation of cotton for the market is an industry and the district has several flour mills and iron foundries.

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

The chief articles exported are wheat, cotton, oil seeds and other agricultural products The imports are iron, timber and piecegoods There are not sufficient metalled roads in the district and the traffic is carried mainly by rail (N W Rly)

JHANG-MAGHIANA (population 36,035) is the district headquarters and has a considerable trade in gram and country cloth Leather, soap, locks and other brass work are manufactured here

JHELUM DISTRICT.

The Salt Range of the Punjab passes through the JHELUM district (area, 3,900 sq miles, population, 541,076, language, Punjabi) The greater part of it consists of sandstone The average rainfall is about 20"

Area under crops in 1932-33 —Wheat 323,000 acres, barley 4,700 acres, jowar 14600 acres bajra 183,000 acres, maize 4,600 acres, gram 37 000 acres, other grains and pulses 46,700 acres, rape and mustard 16,600 acres cotton 3700 acres, fodder crops 49,000 acres, fruits and vegetables 1,700 acres, total 700,000 acres

Boat building is carried on at JHELUM Brass vessels and silk lungis are made at PIND DADAN KHAN and ivory combs at JHELUM Water mills are used for grinding

JHELUM (population 23,499) is an important timber depot, being the headquarters of the forest officer of the Jhelum river The articles of trade are brass, copper and stone Grains and crops, ivory, combs, are exported

PIND DADAN KHAN is a trade centre whence grains and crops, coarse cotton and silk cloth are exported in favourable years

Gypsum is made at KHEWRA from rock salt occurring there Khewra salt is the most important item of export Other important exports are timber, stone, coal (from DANDAT COLLIERY), and agricultural produce Imports consist chiefly of piecegoods, iron, sugar, cotton and paper

There are roads and traffic is carried on by railways

The main line of the N W Rly between Peshawar and Delhi passes through Jhelum town which is 185 miles from Peshawar, 103 miles from Lahore and 77 miles from Rawalpindi

JULLUNDUR DISTRICT.

The JULLUNDUR district (area 1,131 sq miles, population 943,721, language, Punjabi) forms the Southern part of the Beas Jullundur Doab Towards the west of the district Nil gai and deer are found in abundance Several kinds of trees succeed very well in plantation in this district due to its proximity to the Himalayas

Area under crops in 1932-33 —Rice 1,700 acres, wheat 270,000 acres, barley 3,600 acres, jowar 13,500 acres, bajra 1,600 acres, maize 73,000 acres, gram 83,000 acres, other grains and pulses 43,900 acres, sesamum 1,500 acres, total oil seeds 3 000 acres, condiments and spices 3,200 acres; sugarcane 37,000 acres, cotton 30,300 acres, other fibres 3,300 acres; tobacco 4 800 acres, fodder crops 253,000 acres, fruits and vegetables 13,500 acres, total 830,000 acres

A good deal of cotton weaving is carried on in the district Silk is woven at JULLUNDUR TOWN Hookah tubes and iron jars are manufactured at NAKODAR The district is reputed for carpentry work and brass vessels There are flour mills, iron and brass foundry and gins and presses Traffic of the district is mainly in agricultural produce

Grains are imported from Ludhiana, Ferozepur and the States for export to the hills Sugar and molasses are manufactured and exported

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

The district sends out considerable quantities of silk, gold lace, carpentry work, buckets, mangoes, wheat, gram, etc, etc all over the Punjab, the U P. and Central India Principal articles imported into the district are sugar, machinery accessories, kerosene oil, salt, piecegoods, oil seeds and cakes, cotton seeds, hardware, brass and copper vessels, rice etc Traffic is rail borne and the district is exceptionally well provided with roads.

JULLUNDUR TOWN, (population 89,030) a Station on the N W Rly, is the district headquarters The town manufactures gold lace (gota) and turns out good carpenter's work, and steel trunks and buckets There are flour mills and iron and brass foundries, silk is manufactured and cabinetware is turned out It is an important military station

Other centres of trade are NAWASHAHR, PHILLOUR and NAKODAR

KANGRA DISTRICT.

The KANGRA district (area, 9,978 sq miles, population, 801,312, languages, Gadi, Punjabi, Urdu, Lahauli, and Biluti) is famous for its beauty owing to the Dhaola Dhar's snowy speaks The average rainfall amounts to over 70"

The forests of Kulu and Kangra abound in large leopards, wolves, hyenas and deer of various sorts Iron smelting is carried on in KANGRA on a small scale as iron ores are found in the district Copper is also met with in KULU

Area under crops in 1932-33—Rice 112,000 acres, wheat 245,000 acres, barley 39,000 acres, maize 177,000 acres, gram 26,000 acres, other grains and pulses 85 500 acres, linseed 14,400 acres, sesamum 14,700 acres, rape and mustard 4,700 acres, total oil seeds 33,700 acres, sugarcane 4 800 acres, cotton 3,300 acres, other fibres 2,000 acres, fodder crops 2,100 acres, fruits and vegetables 4,100 acres, total 756,000 acres, potatoes and poppy The climate of Kulu is suitable for growing all sorts of European fruits and vegetables The district has a large trade in pears and apples

Tea making is the important industry Cotton cloth is woven and baskets and blankets are made at KANGRA, KULU, LAHUL, and SPITI Glass bangles are also made in the district

The chief exports are rice, tea, potatoes, spices, opium, indigo, skins, piecegoods, blankets, pashmina wool, ghee, honey and beeswax, and the imports are raw silk and wool, charas, and general merchandise

The chief centres of trade for Kangra in the plains are at Hoshiarpur, Jullundur, Amritsar and Pathankot Considerable foreign trade exists with Ladakh and Yarkand through SULTANPUR in Kulu The exports to those places are cotton piecegoods, indigo, skins, opium, metals, silk, sugar and tea, and the imports from those places are ponies, borax, charas, raw silk and wool

Internal trade centres are KANGRA, PALAMPUR, SUJANPUR, TIRA, HAMIRPUR, JAWALA, MAKHI and NURPUR Traffic is cart-borne Sadar Station is DHARAMSALA

KARNAL DISTRICT

The KARNAL district (area 2,396 sq miles, population, 852,613, language, Hindustani) is watered by the Jumna canal Kankar is abundantly found in the district Area under crops in 1932-33 —Rice 57,000 acres, wheat 225,000 acres, barley 13,300 acres, jowar 166,000 acres, bajra 606,000 acres, maize 53,600 acres, gram 358,000 acres, other grains and pulses 46,300 acres, sesamum 3,800 acres, rape and mustard

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INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

80,000 acres, total oil seeds 84,000 acres, condiments and spices 4,300 acres, sugarcane 32,000 acres, cotton 51,300 acres, other fibres 2,900 acres, tobacco 1,900 acres, fodder crops 125,000 acres, fruits and vegetables 8,300 acres, total 1,337,000 acres

KARNAL has a name for shoe making, PANIPAT, for glass work (silvered globes) and brass vessels and fancy wares Glass bangles are made here Both the towns have cotton ginning factories Silver wares and musical instruments and wood work are made at SAHABAD (population 12,193).

The exports are wheat, cotton, gram, fine rice, ghee, brass vessels, glass, sal ammoniac and saltpetre The imports are salt, oil seeds, iron and piecegoods.

KARNAL (26,610) is the district headquarters and lies on the N. W Rly It exports grains and other raw products to Ambala, Delhi, Hissar and adjoining places Its raw sugar is sent out further north Boots and shoes, blankets, saddlery goods, harness and other leather goods form the chief industries of the town It does an extensive export trade in these articles It is 77 miles from Delhi and 466 miles from Ambala

Other trade marts are KAITHAL (population 19,418), THANESAR and GUHLA

PANIPAT (population 32,915) is another trade mart

N. W Railway and the Grand Trunk Road run through the district The Delhi and Hansi branches of the Jumna Canal are also navigable to a certain extent

LAHORE DISTRICT

The LAHORE district (area 3,648 sq miles, population 1,378,570, languages, Urdu and Punjabi) is watered by Ravi and the Sutlej Average rainfall amounts to about 23".

The district produces rich crops of wheat, gram, barley, cotton, maize, rice and millets Area under crops in 1932-33 —Rice 20,600 acres, wheat 301,000 acres, barley 8,200 acres, bajra 54,600 acres, maize 24,400 acres, gram 112,200 acres, other grains and pulses 15,700 acres, sesamum 4,800 acres, rape and mustard 89,500 acres, total oil seeds 94,000 acres; condiments and spices 2,800 acres, sugarcane 28,500 acres, cotton 121,000 acres, other fibres 1,400 acres, tobacco 3,000 acres, fodder crops 266,000 acres, fruits and vegetables 21,000 acres, total 1,082,000 acres Sources of irrigation are canals and wells Cotton weaving, vegetable oil crushing, ivory bangle making, leather and furniture making and printing on cloth are the industries There are several gins and presses and there is a big railway workshop (N W Rly) The chief exports from the district are wheat, cotton, oil seeds and cotton seeds in large quantities The important imports are piecegoods, brass and copper vessels, salt, sugar, oil engine, machinery parts, motor cars, etc The traffic is carried on railway (N W Rly), and the district is well supplied with railways and good metalled roads Leather goods and cotton carpets are manufactured at KASUR, a Municipality, which is only next to Lahore in importance It is the centre of local trade and exports over 10 lakhs of cotton and grain

There is a resin manufacturing factory at JALLO, which suffers from the competition of Swedish turpentine or turpentine substitute,

LAHORE —Lahore, the capital of the Punjab with a population of 429,747, stands on the river Ravi It is the largest city in the Province Its distance by rail from Calcutta is 1,278 miles, from Bombay 1,280 miles and from Karachi 784 miles. Its nearness to Karachi drifts much of its trade to that port It is the chief trading centre for the agricul-

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tural produce of the district Lahore serves the whole of the Punjab Wheat and other produces are transported from here to Karachi for export Leather trade here is an important one and a large quantity of saddlery and shoes is turned out annually Rugs and carpets are woven on a large scale Cotton fabrics are largely made Cotton weaving, spinning, ginning and pressing are carried on to some extent. Factories of modern types for the manufacture of soap, chemicals, hosiery, etc, are developing There are tanneries, glass works, flour mills, sugar works, tobacco works, oil mills, ice factories and saw mills

SHAHDARA —It is a centre of cotton weaving and printing industry Refining of saltpetre is conducted on a large scale and several factories are engaged in manufacturing it from efflorescent earth There is also a match factory here

LUDHIANA DISTRICT.

The LUDHIANA district (area, 1,375 sq miles, population 672,494, language, Punjabi), is watered by the Sutlej The average rainfall is about 30"

The chief crops are wheat, gram, barley, rape seed, maize, pulses, millet and sugarcane Area under crops in 1932-33 —Wheat 240,000 acres, barley 35,000 acres, jowar 9,200 acres, bajra 6,800 acres, maize 59,900 acres, gram 119,700 acres, other grains and pulses 95,000 acres, sesamum 1 300 acres, rape and mustard 9,600 acres, total oil seeds 1 1,100 acres, condiments and spices 1,100 acres, sugarcane 18,900 acres, cotton 36,700 acres, other fibres 1,600 acres, tobacco 2,200 acres, fodder crops 169,000 acres, fruits and vegetables 2,900 acres, total 818,000 acres Cultivation depends upon water, which is received from canals, rivers, wells and tanks

Shawl weaving, cotton stuff, ivory billiard ball making, sugar refining, oil pressing, etc are the main industries There are several cotton gins and presses and flour mills

The chief exports are wheat, maize, jowar, oats, barley, vegetable oil, rape seed, millets, pulses, woollen and cotton goods The principal imports are piecegoods cotton yarn, sugar, iron, salt, barley, brass and copper vessels

LUDHIANA (population 68,586) —It is situated about 6 miles from the left bank of the Sutlej An important railway junction on N W Rly., it is 117 miles from Lahore, 103 miles from Simla and 1,162 miles from Calcutta It is the centre of hosiery manufacture There are ice and durry factories It is an important grain market and all kinds of grains, viz, wheat, millet, etc are brought for sale and exported to neighbouring towns Ludhiana supplies turbans to almost all the Indian Regiments

KHANNA is a railway station on the main line of the N W. Rly, 26 miles from Ludhiana It is an important market for salt, cotton and rice

JAGRAON, (population 68,586) a station on the Ludhiana-Ferozepore Section and 24 miles from Ludhiana has a good grain market known as ANDERSONGUNJ It exports brassware, copperware, woollen blankets, rice, gram, wheat, tobacco, pulses, barley, etc

SAMRALA is also a centre of trade

The traffic is carried by rail and boats N W Rly. traverses the district which is well supplied with metalled roads

LYALLPUR DISTRICT

The LYALLPUR district (population 1,151,351) is hot and dry The average rainfall amounts to about 12" only annually It is wholly irrigated by the Chenab Canal and the result has been a very rich and

Cattle Breeding & Dairying: A handbook on keeping Cows. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

fertile soil Area under crops in 1932-33 —Rice 2,100 acres, wheat 466,000 acres, barley 8,100 acres; jowar 3,400 acres; bajra 20,100 acres, maize 48,500 acres; gram 123,700 acres; other grains and pulses 9,100 acres; rape and mustard 115,000 acres, total oil seeds 118,000 acres, condiments and spices 1,700 acres; sugarcane 55,500 acres, cotton 267,000 acres; other fibres 2,000 acres, tobacco 3,000 acres, fodder crops 288,000 acres; fruits and vegetables 19,700 acres, total 1,438,000 acres

LYALLPUR (population 42,922) is the district headquarter It is a big centre of trade in the Punjab, being one of the biggest depots for the exportation of wheat All kinds of agricultural produce from the Chenab Colony are collected and are exported to various parts of the Province and beyond It is 90 miles from Lahore It is a municipality

JARANWALA, a station on the N W Ry (68 miles from Lahore), is a good grain market in the district Its chief products are sugar, maize, wheat, cotton, gur, and gram

TOBATEKSINGH is an important gram market Wheat (in large quantities) and cotton are exported from here It also stands on the N W Rly

GOJRA a municipality (the only other municipality in the district besides Lyallpur town), is also an important grain market Wheat, grain, cotton, and toria are largely marketed here

MIANWALI DISTRICT

The MIANWALI district (area 5,395 sq miles, population, 411,539, Elevation, 655 ft) is crossed by the Indus The district has an average rainfall of about 12" only

Soil is on the whole good and fertile and produces rich crops of wheat, barley, gram, bajra, pulses and jowar Area under crops in 1932-33 —Wheat 344,000 acres, barley 11,800 acres, jowar 29,200 acres; bajra 80,300 acres, gram 332,000 acres, other grains and pulses 47,300 acres, rape and mustard 9,800 acres, total oil seeds 10,800 acres, fodder crops 33,900 acres, fruits and vegetables 3,500 acres, total 981,000 acres Cultivation depends upon well and tanks Rock-salt, alum, rock-oil, petroleum and coal are also available The chief industries are the making of iron vessels and instruments, and cotton check weaving and basket making Saltpetre is made from efflorescent earth on a large scale in the district at ROKHRI, KALBAGH and other places

The chief exports are salt, alum, iron vessels, baskets, wheat, cotton, barley, rapeseed, oil seeds, wool and hides The important imports are iron, cotton piecegoods, thread, silk, sugar, rice, potatoes, timber, and wines

MIANWALI (population 15,412), the district headquarters, is a small but flourishing town with some trade The station is on the Kundian-Campbellpur Section (N W Ry.), 112 miles from Campbellpur and only 10 miles from Kundian. BHAKKAR a station on the N. W Ry. (Malakawal-Sheishah Section) lies on the bank of the Indus and is famous for its mangoes, dates and timber The big grain market here exports, in considerable quantities, wheat, gram, dates, beans, wool, oilcakes, rapeseed, tobacco, and vegetable oil

Other important trade centres are KALABAGH, LEIAH and KARAR

N. W. Rly passes through the district and traffic is carried both by rail and by boat

MONTGOMERY DISTRICT.

The MONTGOMERY district (area, 5,574 sq, miles, population, 999,772; language, Punjabi), is a perfect plain The climate is dry and healthy and the average rainfall amounts to about 10" only

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Area under crops in 1932-33 —Rice 16,200 acres, wheat 439,000 acres, barley 7,500 acres, jowar 4,000 acres, bajra 34,400 acres, maize 25,000 acres, gram 118,000 acres, other grains and pulses 54,500 acres, sesamum 5,000 acres, rape and mustard 65,000 acres, total oil seeds 70,200 acres, condiments and spices 4,000 acres, sugarcane 19,800 acres, cotton 265,000 acres, other fibres 1,800 acres, tobacco 3,400 acres, fodder crops 324,000 acres, fruits and vegetables 5,900 acres, total 1,414,000 acres Saltpetre is also found Montgomery breed of cattle is famous

The chief industries of the district are making of legs of bedsteads, boxes, toys, spinning wheels, cotton prints, cotton and woollen carpets, brass vessels, silk, etc It has ginning and pressing factories Refining of saltpetre is an important industry at KAMALA, OKARA, etc There is an oil mill at ARAFWALA

The chief articles of export are wheat, cotton, oil seeds, wool, hides and ghee The imports are millets, rice, sugar, cloth, hardware, wines, stationery, machinery, machine stores, etc

MONTGOMERY (26,164), a Municipality and district headquarters, is on the N W Rly, 1,381 miles from Calcutta It is an important centre of trade, specially for cotton There are dak bungalows in the town.

OKARA (population 10,712), on the Lahore-Karachi main line of the N W Rly, 80 miles from Lahore and 675 miles from Karachi, is the centre for cotton trade in the district It has several ginning and pressing factories The place is also known for its saltpetre

CHICKAWATNI is a village, but it is an important market for cotton as also vegetable oil, linseed, etc Its exports consist chiefly of wheat, cotton, gram, tilseed, linseed, toria etc It is 103 miles from Lahore, 26 miles from Montgomery and 626 miles from Karachi

Other trade centres are KAMALIA (population 13,220) and PAK PATTAN (population 11,311) The entire import and export trade of the district is carried by N W Rly which passes through it

MULTAN DISTRICT.

The MULTAN district (area of 6,107 sq miles, population, 1,174,900, languages, Multani and Urdu) is situated on the northern border of the Rajputana desert The average rainfall does not exceed 8"

Soil is alluvial but sand is also found in many places Area under crops in 1932 33 —Rice 21,300 acres wheat 521,000 acres, barley 9,800 acres, jowar 70,800 acres, bajra 53,600 acres marua 1,300 acres, maize 10,800 acres, gram 76,800 acres, other grains and pulses 115,000 acres, sesamum 31,600 acres, rape and mustard 81,800 acres, total oil seeds 114,000 acres, condiments and spices 3,700 acres, sugarcane 15,600 acres, cotton 195,000 acres, tobacco 3,000 acres, fodder crops 269,000 acres, fruits and vegetables 10,300 acres, total 1,497,000 acres Sugar, maize, tobacco and indigo are grown in small quantities The cultivated lands are irrigated by canals, wells and tanks Multan breed of cattle are prized all over India for their milk-yielding capacity Wool is obtainable in abundance.

The chief industries are pottery of a good quality, silverware, cotton and woollen carpet, silk fabrics, cotton printing, metal work, ivory turning, textiles of cotton and silk mixed together There are cotton ginning and pressing factories

The chief exports are wheat, cotton, indigo, bones, dates, vegetable oil, soap, wool, hides and carbonate of soda Multan also sends out huge quantities of dates and pomegranates The imports are raw wool, rice, oil seeds, oil, wines, sugar, ghee, tin, watches, iron and piecegoods, N W Rly passes through the district and carries the entire trade

Vegetable Oil Industry. An up-to-date manual on oil milling & refining. Price Re. 1-8 Industry Book Dept., Shambazar, Calcutta.

MULTAN (population 119,457) —It is one of the frontier towns of India It has a municipality and a cantonment It is 209 miles from Lahore, 45 from Delhi and 573 from Karachi As a trade centre, Multan is now of great importance, being connected by rail with Lahore and Karachi and by the Ravi, the Jhelum, and the Chenab with the whole of the Central Punjab Large quantities of raw produce are shipped by country boats from Sher Shah, the port of Multan, to Karachi The trade of Multan comprises every article of produce, manufacture and consumption in the Province The chief imports are wheat, sugar, cotton, indigo and wool The importance of Multan as a trade centre will be easily realised It collects cotton, wheat, oil seeds, sugar and indigo from the surrounding country to export them to the South, it receives fruits, drugs, raw silk and spices from Kandahar traders and passes them on to the East The Afghan traders take back indigo, European piecegoods and country-made cloth sugar and shoes Foreign merchandise is generally distributed through Multan to the western districts and the neighbourhood

The chief local manufactures are silk and cotton weaving and carpet making decent country shoes are also made in large quantities for exportation The glazed pottery and enamel work of Multan, although not industries on a large scale, have a high reputation The manufacture of tin boxes and soap is a growing and important industry Surgical instruments and hospital requisites of Multan have already established a reputation in the market

KHANEWAL (population 11,205), a station on the N W Rly and a junction for Lodhran, Shorkot and Lyallpur, has a big grain market near the Rly Station

MUZAFFARGARH DISTRICT.

The MUZAFFARGARH district has an area of 1,339 sq miles and is peopled by 591 375 persons Language is Multani The average annual rainfall is about 7" only

The soil is alluvial loam and is fertile Area under crops in 1932 33 – Rice 30,200 acres, wheat 320,000 acres barley 21,200 acres, jowar 10 800 acres, bajra 30,300 acres, marua 1,100 acres gram 63,000 acres other grains and pulses 50 000 acres sesamum 6,800 acres, rape and mustard 18 900 acres, total oil seeds 26,600 acres, condiments and spices 1 500 acres, sugarcane 8,600 acres, cotton 31 800 acres, tobacco 1,500 acres, fodder crops 1,44,000 acres, fruits and vegetables 7,500 acres, total 735,000 acres The cultivation of land depends mainly on irrigation from canals, besides wells and tanks

The important industries are cotton weaving, mat and basket weaving and decorations, etc There are cotton ginning and rice husking factories

The chief exports are wheat, sugar, cotton indigo ghee, dates and mangoes The important imports are piecegoods, metals, salt and lime N W Rly passes through the district and traffic is carried both by rail and by river

MUZAFFARGARH is the district headquarters It is only 9 miles from Sher Shah and 19 miles from Multan The Station on Shershah Malkwal Section (N W Rly) has a dak bungalow A mud wall surrounds the whole town

RAWALPINDI DISTRICT.

The RAWALPINDI district (area 2,046 sq miles, population 634 357, languages Punjabi and Bhutwani) is one of the frontier districts of the Punjab The average annual rainfall is about 42"

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Area under crops in 1932-33 —Wheat 228,000 acres, barley 7,300 acres, jowar 22,800 acres, bajra 90,600 acres, maize 49,300 acres, gram 14,800 acres, other grains and pulses 106,000 acres, rape and mustard 6,800 acres, total oil seeds 7,000 acres, fodder crops 41,500 acres, fruits and vegetables 1,800 acres, total 579,000 acres Some inferior quality rice is grown in the Murree Hills where potato has proved a great success Oil springs exist in the district Cotton is woven everywhere Silk embroidered phulkaris are famous Railway workshop of the N W Rly is situated at RAWALPINDI Gas works and breweries, tent factories and iron foundries are also there The district produces a fair quantity of raw wool Leather is tanned and curved in RAWALPINDI Town

Trade is carried on in necessaries of Murree and Rawalpindi and the through traffic for Kashmir passes through Rawalpindi The exports are grains and oil seeds, hides and raw wool, Kashmere woollen goods and fruits The imports are piecegoods, rice, hardware, tea and salt, motor cars, cycles, sugar, coal, fruits (from Murree and Kashmir), ghee, etc Timber comes from Kashmir

RAWALPINDI TOWN (population 119,284) It is the chief town and district headquarters and is one of the largest military stations in India It is on the N W Rly, 180 miles from Lahore, 1,355 miles from Calcutta and 897 miles from Karachi A fair of exhibition of horses is held here annually in April Conveyances (tongas and also taxis) are available

GUJARKHAN, 33 miles from Rawalpindi, is a market for wool, wheat, oilseeds, pulses, tobacco and ghee

KAHUTA is known for its export of Indian herbs, pomegranate seeds, walnuts, etc

N W Rly crosses the district Metalled roads are the Grand Trunk Road and the Kashmir Road

ROHTAK DISTRICT

The ROHTAK district (area, 1,181 sq miles, population, 805,621, languages, Hindustani and Brijbhasi) is on the whole salubrious and the average rainfall is about 23"

Agricultural conditions depend more on irrigation than on soil which is generally good, light coloured and alluvial Area under crops in 1932-33 —Wheat 147,000 acres, barley 22,900 acres, jowar 173,000 acres, bajra 3,89,000 acres, maize 7,500 acres, gram 3,69,000 acres, other grains and pulses 15,800 acres; rape and mustard 17,900 acres; total oil seeds 18,600 acres, condiments and spices 2,900 acres, sugarcane 37,900 acres, cotton 34,900 acres, other fibres 6,300 acres, fodder crops 179,000 acres, fruits and vegetables 5,800 acres, total 1,408,000 acres

The pottery of JHAJJAR and the saddlery of KALANUR and fine muslin turbans of ROHTAK are the chief industries Woollen blankets are woven everywhere in the district There are several cotton gins and presses Sugar is made and cloth weaving is carried on for local consumption only

The exports are grains and cereals

ROHTAK Town (population 35,235) in the Delhi-Lahore line (N W R), is an important trade centre in the Punjab There are several cotton gins and presses Muslin turbans interwoven with gold and silver thread and a form of muslin known as tanzil are produced It is a big grain market

Among other centres of trade mention may be made of SONEPAT (an important grain market), GOHANA, SANPLA (a grain and cotton

USEFUL PHRASES: A HELPFUL COMPANION TO ALL. AS. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

exporting market), and JHAJJAR (population 12,232) a grain and salt market. The ruins of Rohtasgarh, the Pinjrapole, the old mosque, and the Gankaran Tank are places worth paying a visit.

The district is traversed by the Southern Punjab Railway, Rewari-Bhatinda and Malwa-Rajputana Railways and is well provided with good roads.

SHAHPUR DISTRICT.

The Jhelum river divides the SHAHPUR district (area, 4,799 sq. miles; population, 821,490; languages, Punjabi) into two parts and the Jhelum Valley is the most populous part of the district. Average annual rainfall is about 15" near the Salt Range.

Area under crops in 1932-33:—Rice 4,400 acres; wheat 464,000 acres; barley 8,600 acres; jowar 19,400 acres; bajra 132,000 acres; maize 19,900 acres; gram 229,000 acres; other grains and pulses 20,000 acres; rape and mustard 64,400 acres; total oil seeds 66,000 acres; sugarcane 9,500 acres; cotton 161,000 acres; tobacco 2,600 acres; fodder crops 234,000 acres; fruits and vegetables 6,600 acres; total 14,22,000 acres. The forest products are acacia arabica and shisham. Salt is found and bored in the Salt Range. Crude saltpetre is also manufactured.

Cotton cloth is woven and exported. Felt rugs are made at KHUSAL and BHERA. Blankets, felts, etc. are also made at the latter place. Stones are used in making handles for knives, razors, etc. Wood work of BHERA and lacquered work of SAHIWAL are also famous.

SHAHPUR town has a population of about 10,000. There are sixteen ferries on the Jhelum in the district. It is not important commercially. SARGODHA (population 26,761) is the Sadar Station and administrative headquarters and an important centre of trade for wheat, cotton, pulses, rape seed, ghee, gur, sugar and gram. But BHERA (population 19,741) is the largest town in the district; and MIANI in Bhera Tehsil is a big salt market and is otherwise called "Loon" or Salt Miani. Miani is also known for its lime.

The exports are raw and manufactured cotton, wheat, other grains, wool, ghee, hides and skins, bones, salt, lime and saltpetre. The chief imports are piecegoods, metals, sugar and rice. N. W. Rly. crosses the district with a short branch to Bhera and another from Dhak to Katha. The district has good metalled roads.

SHEIKHUPURA DISTRICT

The SHEIKHUPURA district (area, 2,117 sq. miles; population, 696,732) is mainly agricultural. Rainfall is moderate. Area under crops in 1932-33:—Rice 132,000 acres; wheat 293,000 acres; barley 9,800 acres; bajra 42,900 acres; maize 20,000 acres; gram 78,000 acres; other grains and pulses 7,600 acres; rape and mustard 52,600 acres; total oil seeds 54,000 acres; sugarcane 22,000 acres; cotton 86,000 acres; tobacco 2,500 acres; fodder crops 133,000 acres; fruits and vegetables 7,200 acres; total 896,000 acres.

SHEIKHUPURA (population 12,166), a railway station on the N. W. Rly., 26 miles from Lahore, has a market exporting wheat, cotton and toria.

At NANKANA SAHIB a big fair is annually held on Kartik Purnamashi (Full-moon day in the month of Kartik) and from all parts of the province thousands of Sikhs flock to the place on the occasion. Its trade consists of ghee, gur, rice, wheat, gram, cotton (India and America) and other raw produce.

CHAUHARKANA MANDI is a market for rice, gur, gram, ghee, and rapeseed.

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SANGLA HILL, 68 miles from Wazirabad, is an important market for wheat, cotton, gram, barley, raw sugar, rape seed, til, ghee, and gur Its exports are wheat, gram, linseed, vegetable oil, cotton, gur, etc Imports consist mainly of machinery for gins and parts, agricultural implements, hardware, piecegoods, woollen goods, etc

SHAHDARA, 5 miles from Lahore standing on the left bank of the Ravi Shahdara exports matches, suji, flour, wheat, mangoes, and country cloth, and imports coal, woollen goods, general merchandise, etc

N W Rly traverses the district and is its chief means of transport

SIALKOT DISTRICT.

The SIALKOT district (area, 1,958 sq miles, population, 979,617, language, Punjabi) is intersected by the Ravi, the Degh and the Chenab The average annual rainfall is about 35" Soil is generally loam but clay is also found Area under crops in 1932-33 —Rice 54,300 acres, wheat 381,000 acres, barley 35,000 acres, jowar 3,800 acres, bajra 54,300 acres, maize 36,200 acres, gram 34,900 acres, other grains and pulses 54,500 acres, linseed 1,700 acres, sesamum 1,500 acres, rape and mustard 13,700 acres, total oil seeds 16,000 acres condiments and spices 1,200 acres, sugarcane 37,600 acres cotton 24,000 acres, other fibres 2,700 acres, tobacco 4,800 acres, fodder crops 121,000 acres, fruits and vegetables 14,000 acres, total 878,000 acres Cotton and other fibres, fodder crops and tobacco are also grown

SIALKOT is famous for its sporting goods, cricket, polo and hockey Tents, boxes and surgical instruments are made Cotton ginning is carried on Beddings, shatranjies (durries) asans etc are manufactured in the district Printed cotton stuff and cotton weaving are carried on at PASUR and shawls of pasham at KOILA SHOBHA SINGH

The chief imports in the district are grains, rice, tobacco, ghee, timber and tea besides cantonment necessaries The chief exports are rice, sugar, paper cotton cloth and brass vessels The district is well supplied with roads

The town of SIALKOT has a population of 100,973 with the cantonment which is pretty big It is a flourishing trade centre and an entrepot for agricultural products Cricket, tennis and hockey bats, sticks and sporting accessories, tents, surgical and musical instruments, etc are made here in large quantities These industries have gained a firm footing and are in a fairly prosperous condition The present supply of raw materials, which consist mainly of mulberry wood comes from the Chhanga Manga Forests There are several flour mills

SIMLA DISTRICT

The SIMLA district (area 18 sq miles, population 36,786, languages, Urdu, Hindi, Pahari and Tibetan), is 7,220 ft above sea-level and is 1,169 miles from Calcutta and 70 miles from Kalka by Kalka-Simla Ry Average annual rainfall is about 70"

Cultivation is carried on in all the lower valleys of the district in terraces The chief crops are wheat, barley, poppy, maize, rice and gram Potatoes hemp, turmeric and ginger are largely cultivated and exported to Ambala and Kalka Iron is found in KOT KHAI

The district has consideralbe trade with Chinese Tibet at Wangtu near Kotgarh But the trade is generally with Rampur and Bashahr The imports are wool, borax and salt and exports are cotton piecegoods, sugar, iron and woollen goods

The principal articles of trade from the plains are requirements of the people of Simla The Kalka-Simla Railway joins it with the plain

Common Faults and Errors: A guide to writers and speakers in English Price As. 4 Industry Book Dept., Shambazar, Calcutta.

Bilaspur, Mandi, Nadaun, Kangra, Shabathu, Dagrai, Solan, Sanawar and Kasauli are connected with Simla by roads.

Shawls and coarse blankets are made at SHUBATHU, which is a small hill cantonment and sanatorium, 23 miles from Simla.

SIMLA (population 18,144) is the summer capital of the Government of India and of the Punjab Government. It is a favourite hill station and is resorted to by Europeans and Indians alike. The chief exports are beer and spirits from the breweries and distilleries and it is also an entrepot of trade with Tibetan China. Trade in Simla is brisk during March-April to October when high Government officials, princes and distinguished visitors assemble there. Traders in fancy goods and goods of every day use come here during that time.

KALKA.—It is situated on the Kalka-Simla Railway. The adjoining land is generally hilly and has forests. Bamboos of this place make good lathis. Ginger of a very good quality and potatoes are exported from this place in large quantities.

PUNJAB AGENCY STATES.

The Punjab Agency States covers an area of 31,241 sq. miles and has a population of 4,472,218. The principal states in the Agency with thick population are LOHARU (23,338), SIRMUR (148,568), BILASPUR (100,994), MANDI (207,465), SUKET (58,408), KAPURTHALA (316,757), MALERKOTLA (83,072), FARIDKOT (164,364), CHAMBA (146,870), PATIALA (1,625,520), JIND (324,676), NABHA (287,574), and BAHAWALPUR (984,612).

The area under crops in 1932-33 was:—Rice 75,000 acres; wheat 1,157,000 acres; barley 174,000 acres; jowar 280,000 acres; bajra 977,000 acres; ragi 13,000 acres; maize 198,000 acres; gram 851,000 acres; pulses 582,000 acres; sesamum 32,000 acres; rape and mustard 69,000 acres; sugar 67,000 acres; cotton 374,000 acres; fodder crops 788,000 acres; fruits and vegetables 23,000 acres; total 6,390,000 acres.

The most important of the States in the Agency is Bahawalpore State. With an area of 15,000 sq. miles and a population of 984,612 it is situated in the Punjab. The State has made considerable progress in cultivation by a system of inundation canals. The chief crops are wheat, rice, millet and gram. The only industries of the State are the manufacture of silk lungis, silk cloth and metal cups. Crude soda is manufactured and exported. There are rice mills and cotton mills. Porcelain vessels, shoes and painted cloth are made in AHMADPUR EAST and KHAIRPUR.

Other important States in the Agency are Patiala and Nabha. The former contains 14 towns and 3,580 villages, distributed into 5 districts, each under a **nazim**. The area under cultivation in the State during 1932-33 amounted to 2,579,000 acres, the most important of the crops being jowar, wheat, gram, pulses, fodder and cotton. The chief crops grown in Nabha are gram, wheat, pulses, bajra, barley, sugarcane and cotton. Stone is quarried in some of the hills in Bawal, as also kankar and saltpetre. The chief industries are the manufacture of silver and gold ornaments and brass utensils for local need. Lace, cotton, carpets and fabrics are among the other manufactures. Cotton presses, ginning factories and oil mills, have been established.

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DELHI.

DELHI DIVISION (area 557 sq miles, population 630,246) is now under the administration of a Chief Commissioner Urdu, Hindi and Punjabi are the languages spoken here The principal crops of the division are sugarcane, wheat, barley and cotton All sorts of raw goods grains, spices, seeds, medicinal herbs, silk cotton manufactures, and flour, oil and biscuits are available in large quantities Among other local products of artistic value are velvet, kinkhab, salma, chumki and suchha, ornamental works are also largely obtainable from the place Metal utensils, good tobacco, surti, kimam various kinds of toys, country made rose water, floral oils pickles, boots leather goods shoes, costly bedsheets and satranjes, galiches and gargaras are available here Ivory carving and gold and silver wire embroideries are excellent Leather wares, mewa fruits and all sorts of fancy goods are also available here The principal crops of the district are sugarcane, wheat, barley and cotton

DELHI (population 341 539) city takes the first place as a commercial town in Northern India, rivalling Cawnpore and Amritsar and ranking next only to the seaports of Calcutta Madras Bombay and Karachi It is a great distributing centre and its field of operation extends on all sides to a wide circumference There is through communication with the different radial parts Indeed, Delhi is the junction of all the large railways in Upper India and her central position and the excellent facilities of communication ensure for her an important commercial position which is evidenced not only by the large business done in importing and distributing commodities wholesale, but in the number of industrial establishments which have sprung up in and around the City Arrivals and despatches of large volumes of coal, cotton and cotton yarn, cotton piecegoods gram and pulses, gunny bags, petrol, tea, etc are made through this important commercial centre There are 7 cotton mills with a total of 115,026 spindles, 3 564 looms and an average of 7,876 hands working daily and they are doing well All sorts of modern industries are also making headway here Delhi is moreover, the exchange, financing and clearing house of the Punjab and of a large part of Upper India and Rajputana There are two associations to look after the economic and financial interests of the merchants viz, the Punjab Chamber of Commerce and the Delhi Hindustani Mercantile Association

Piecegoods, woollen and silk goods, etc are imported in vast quantities from England, France, Japan U S A. (Germany and Austria before the war) There are several European firms and Indian commission agents who receive orders from the dealers and arrange for shipments from foreign countries The goods are in the first instance received by the wholesale dealers occupying the cloth markets or Katras They are chiefly Marwaris The commission agents, who are locally known as Aratiyas, send out goods to merchants in the Punjab, United Provinces and Rajputana, especially to the centres at Amritsar, Cawnpore and Ajmer

The items included in shops for retail sale or Besat Khana are bangles, cigarettes, crockery, felt caps, hats, hosiery, laces, lamps, lanterns, oilman's stores, provisions, shoes, soaps, stationery, trunks, toys, and other fancy goods The wholesale trade in these miscellaneous

Dental Preparations: An excellent handbook on making Tooth Pastes, Creams, Powders, Cements etc, Re. 1-8. Industry Book Dept., Calcutta.

articles is mostly in the hands of Punjabi Mahomedans and SADAR BAZAR is the place of their business

Groceries which include dried fruits, turmeric, spices, beans, almonds, palms, coconuts, betelnut, etc are received from Kabul, Baluchistan, Bombay, Singapur, Madras, etc The wholesale merchants have their shops in Khari Baoli

There are several iron foundries in Delhi which supply various articles to mofussil, specially sugarcane crushers and pans Several dairy farms of this district have an India wide market

DELHI CITY, (population 447,442) —It is situated on the bank of the Jumna. It is about 900 miles from Calcutta and about the same distance from Bombay Delhi is the biggest Railway junction in India and is served by almost all the principal State owned Railways of India, e g, N W Rly, E I Railway, G. I. P and B. B and C. I. Railway. It is connected to even the remotest part of the country by means of these railway lines Also a Light Railway owned by Messrs Martin & Co runs through the district Delhi has an Electric Tramway too which traverses the city and covers an area of about 6 miles Regular bus services connect the city with such ancient places as Panipat, Muttra, Aligarh, Rohtak, Ghaziabad, Meerut, etc

The business in gold lace, gota and embroidery, etc is carried on in Dariba It is a great pity that the genuine gold laces have been mostly replaced by cheap imitation goods imported from abroad

The grain business is confined to a place where facilities in the shape of railway sidings and goods yards are given The wheat comes from the local canal tracts and is mostly exported again The same remark applies with regard to barley The rice is obtained for local consumption only from places like Nawabganj, Amritsar, Multan Pilibhit, etc Mustard, grown locally, is exported to Calcutta and Bombay, but linseed, which is brought from the United Provinces, is not re-exported Wheat, barley, gram, pulses and like grains are imported from the neighbouring districts of the Punjab and the United Provinces and passed on to Bombay and Karachi

Hardwares such as corrugated iron sheets, girders, fittings, and metal goods such as brass and copper sheets are imported from Bombay and Karachi The chief hardware market is CHAORI BAZAR

Brass and copper utensils are either made locally or imported from noted places like Moradabad Hides are obtained from all over the Punjab and are exported to Cawnpore or abroad Bullion is imported from Bombay A quantity of the silver and gold is re exported to smaller markets Timber is imported from Nepal, Kashmir, and the Simla Hills, stone slabs are imported from Agra and Bharatpur There is also a considerable trade in jewellery, precious stones shawls, embroidery, gold and silver wares, ivory work, etc and other Indian curios

Among the less important articles of commerce are ghee, sugar, tobacco, country-made shoes, turbans and pickles and preserves

The climate of the place is extremely hot during the hot season and very cold during the winter months Among the places of interest here are the Fort, Juma Musjid, Kutab-Minar, Gurdwara and also the capital at NEW DELHI which is a modern city with the most artistic lay-out and design and has been inaugurated in February, 1931

The scarcity of water supply in New Delhi has been overcome by government efforts Delhi has also a University of its own Primary education is compulsory within the municipal area

Dental Preparations: An excellent handbook on making Tooth Pastes, Creams, Powders, Cements etc. Re 1-8. Industry Book Dept., Calcutta.

MARKET PLACES OF THE CENTRAL PROVINCES.

THE Central Provinces is situated, as its name signifies, in the central part of India and comprises, with Berar, an area of 130,000 square miles and is inhabited by a population of 17,951,147. A large part of the provinces, over 28 million acres, falls under the jurisdiction of the Native States, the chief of which are the Chhattisgarh States comprising Raigarh, Saktigarh, etc. The area under cultivation is over 27 million acres and there are extensive forests covering an area of more than 16 million acres.

Soil:—The soil of the district is black cotton, loam and alluvium, suitable for the cultivation of cotton, rice and food grains. The average rainfall is about 50".

Climate:—The climate is free from extremes and the rainfall is everywhere good. A large area is still covered with forests and jungles. The mountain slopes are clothed with valuable timber including teak, sal, etc. Lac is collected in the forests. Myrobalans are available in abundance in the forests and the Jubbulpur varieties are in great demand in India and abroad. Silk cocoons are also obtained.

Crops:—By far the most important crop grown in the Provinces is cotton of the Oomrah variety. The area under cotton cultivation during 1933-34 was 4.2 million acres which yielded 665,000 bales of cotton as against 740,000 bales during 1932-33. Berar is eminently suited for the cultivation of cotton and the chief stations in the district are Akola, Akot, Amraoti, Ellichpur, Karanja, Khamgaon, etc. The chief stations of cotton cultivation in the Central Provinces excluding Berar are Arvi, Warud, Dhamangaon, Pandar-Kawda, Hinganghat, Nagpur, Wardha, Warora, Wun, Yeotmal, Katol, Saoner, etc. Average staple of the cotton is 5/8" to 6/8".

Among other crops grown during 1933-34 in the Provinces were rice (5.6 million acres), wheat (3,441,000 acres), cotton (4,178,000 acres), jowar (4,306,000 acres), etc. The Province has the largest area in India under the linseed crop (934,000 acres), but the yield is below that of the United Provinces and Bihar and Orissa. The yield of linseed in the province was 90,000 tons. Gingelly or til seed also figures prominently (547,000 acres). Cultivation of groundnut is slowly increasing in the province, 188,000 acres of land being under this crop in 1933-34. The areas under other crops during 1933-34 were bajra (101,000 acres), maize (155,000 acres), gram (1,239,000 acres), rape and mustard (74,000 acres), castor seed (38,000 acres), sugarcane (29,000 acres), fruits and vegetables, grain and pulses, tobacco (13,000 acres), condiments, etc. are also raised. The total area under cultivation in C. P. and Berar was 27.2 million acres. Oranges and mangoes grow abundantly in the province and are exported to Calcutta and other markets. Nagpur oranges have got a firm hold on the Calcutta market.

From an agricultural point of view the Central Provinces and Berar may be divided into four tracts. The first is the wheat tract of the Narbada valley; the next, Berar and the Nagpur tract, where cotton is staple, and the people are both industrially and agriculturally,

Hand Spinning & Weaving: Contains detailed methods. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

more advanced than elsewhere The third has for its distinctive crop rice, which is grown mainly in the Wainganga valley and in the great plain of Chhattisgarh The fourth comprises the upland districts, the centre of the province, where cultivation is in a comparatively backward state but the country is covered in many places with useful forests and contain valuable minerals Although by far the larger portion of the locally produced cotton is exported, enough is worked up locally to give a decidedly industrial bent to the population of such towns as Nagpur, Akola and Burhanpur, and the export and manufacture of cotton have built up a wealthy class of traders and industrialists, who have placed this tract in point of resources very far ahead of any other part of the province, however fertile the soil

Minerals —The most important mineral mined in the province is manganese ore which occurs in the vicinity of Warora This is consumed by the iron and steel factories for the manufacture of ferro-manganese The ore is exported out of India but lately the exports have been affected by competition from Russia Iron is found in the Raipur and Jubbulpore districts The C P Manganese Ore Co Ltd despatched in 1934-35 11,793 tons to Calcutta, Bombay, Vizagapatam and Tatanagar, Vizagapatam taking the major part of the despatch The smelting of iron and the production of workable metal from the crude ore are carried on in some parts of the Central Provinces as a sort of home industry In the neighbourhood of every well-known mine there can be found families of smelters Coal is obtained in the vicinity of Warora The outturn of coal during 1934 in Ballarpur (Chanda) was 321,038 tons, Korea 400,350 tons and Pench Valley 1,117,942 tons Copper ore also occurs in the province, but is only spasmodically worked

Industries:—The principal industries of the province centre round cotton production Among other industries may be mentioned lime and cement factories, rice mills, oil presses, glass factories, and saw mills Coarse textiles, brasswares, etc, are turned out on a cottage industry basis Cloth is woven in three qualities—coarse, medium and fine Other notable industries are silk bordered gold, and silver lace weaving, tasar industry, pottery, brick and tile making and leather industry, oil milling, wool industry, dyeing and calico printing, blankets, sheep rearing, brass and copperware, tasar and mulberry silk production, mat and baskets, hosiery cotton rope and tape making, toy, and smithy and carpentry

Among modern industries special mention should be made of cotton ginning, manufacture of cotton goods, etc Cement industry is progressing rapidly and there are a number of cement factories at Mekgaon, Katni, Kymore and Jubbulpore Lime and pottery industries are in a flourishing condition A small pottery factory has been recently established at Nagpur The abnormal fall in prices has affected the match industry of the Provinces Only one out of the three match factories in the province worked during 1932 The two glass factories also did not make much profit, but they held their own The glass industry is reported to be hit by the keen competition from imported articles The province offers great possibilities for the match and glass industries Other industries include ice and aerated factories, oil mills, saw mills, mining, breweries, flour mills, rice mills, paint, etc

Factories:—During 1933, there were 956 factories—118 perennial and 838 seasonal—of which actually at work numbered 735 The average daily number of operatives employed was 61,781 of whom 40,525 were men, 20,537 women and 719 children There are 12 cotton mills in the Provinces, two in Akola, two in Nagpur and three in Wardha and one

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each at Badnera, Amraoti (Ellichpur), Nimar (Burhanpur), Raj-Nandgaon, Jubbulpore (Ranital) These mills are equipped with about 385,768 spindles and 7,112 looms and employ 22,263 hands There are also a large number (over 500) of cotton pressing and ginning factories During the year ended 31st August 1935 the quantity of cotton pressed in the Central Provinces was 148,399 bales and 512,816 bales in Berar The districts where pressing is done most are Nagpur, Wardha, Nimar, Akola, Amraoti, Yeotmal Besides, there is a number of railway workshops and ordnance factories

Trade:—The trade of the district consists in exports of cotton, rice and food grains, etc Considerable quantities of forest products, viz, lac, myrobalans, timber (sal, teak, saj, etc), hides and skins, gum, etc, are also exported Mohua flower and biri leaves are available in great abundance and are exported Mangoes, oranges (from Nagpur), and plantains are exported The imports are coal, coke, piecegoods, salt, etc

Rail and River Borne Trade in 1934-35 (in 1000 mds) —**Imports**— Coal (9,275), cotton (202), yarn (95), piecegoods Indian (342), fruits dried (596), glass (45), rice (146), wheat (123), wheat flour (126), gunny bags and cloth (332), iron and steel (901), kerosene (1,254), vegetable oils (373), groundnut (62), linseed (21), rape (19), sesame (177), salt (2,355), sugar (1,050), gur (959), tea (25), tobacco raw (199), timber (91)

Exports:—Bones (104), cement (5,157), coal (27,991), raw cotton (3,113), yarn (182), piecegoods (213), myrobalans (907), fruits dried (34), glass (18), paddy (410), rice (13,327), wheat (1,786), hemp (121), hides raw (37), skins raw (45), iron and steel bars (149), manganese (11,793), lac and shellac (119), oil cakes (808), cotton seed (1,601), linseed (678), rape and mustard (381), sesamum (185), ghee (23), teak (245), other timber (2,178)

Transport & Communication:—The province is well served by a network of railways, the chief being the B N Rly and the G I P Rly The traffic is both rail and road-borne

AKOLA DISTRICT

The AKOLA district (area, 4,090 sq miles, population 877,104) in the Central Provinces is situated on the G I P Rly and is 1,220 miles from Calcutta, 383 miles from Bombay and 157 miles from Nagpur Soil is black loam and is mostly rich Average rainfall is about 35" Languages are Marhatti and Urdu

The staple food crop grown is jowar (578,000 acres), cotton (794,000 acres), is also grown on a large scale The country is very fertile and therefore there is very little uncultivable land in the district Groundnut is grown over 38,000 acres and wheat over 118 000 acres Berar cattle are obtainable at BALAPUR There is a reserved forest in the Balaghat area the products of which are khair, amla and teak Stone is mined

Cotton carpets are woven at AKOT and BALAPUR There are several cotton ginning and pressing factories and 2 cotton mills Preparation of cotton for the market is the only industry

Raw cotton is sent to Bombay by rail from AKOLA The chief marts besides AKOT are TALAGAON and BALAPUR The imports are grain and pulses, coal and coke, salt and sugar

AKOLA, the headquarter town, has a population of 47,632 and is one of the principal centres of cotton trade The market is situated at TAJNAPETH

The tract surrounding AKOT town (population 18,693) is interspersed with garden lands and mango groves Water is obtained from

Catechu Making is quite paying. Read Manufacture of Catechu. Re. 1-8.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

wells There is a big mart for cotton which is sent to AKOLA Good cotton carpets are woven there MURTIZAPUR (population 11,541) on the G I P. Rly is another big market for grain and cotton

Other trade centres are KARANJA (16,615) and BASIM (14,409)

AMRAOTI DISTRICT

The plain of the AMRAOTI district (area, 4,704 sq miles, population, 941,975) is usually 800 ft above sea level Rainfall averages 30' annually Climate is hot but nights are generally cold Soil is black loam which is very fertile Chief crops are jowar (staple, 522 000 acres), wheat (91,000 acres), gram (24,000 acres) and cotton (747,000 acres)

The silk industry at KOLHAPUR has considerably dwindled Cloth weaving and yarn making are carried on at BADNERA Preparation of cotton for ginning and pressing factories is the chief industry of the district Khadder and carpets of ELLICHPUR have a good reputation in the market And DHAMANGAON is a most important cotton and grain market

The district exports raw cotton, oil seeds, grains and pulses to Bombay and Calcutta Imports are grains and pulses from U P, coal and coke from Bengal and C P, salt and sugar from Bombay

AMRAOTI —Amraoti, the headquarters, has a population of 46,832 The cantonment of the same name contains 10,268 men The commercial importance of the town is of recent growth It is now the principal cotton mart in Berar, and is connected with the Nagpur branch of the G I P Rly Cotton is by far the most important item of commerce Indeed, Amraoti's only claim to fame once lay in the cotton market where the name of Oomras (or Oomra- wuttees—Amraotis), referred in uncouth and archaic form, is well known

Formerly the greater part of the cotton of Berar was taken on bullocks to Mirzapur and thence conveyed in boats to Calcutta Now however the greater part goes to Bombay It may be mentioned in this connection that the export trade in cotton from Amraoti could not be in a flourishing condition unless specially favourable railway freightage rates were granted This enables Berar cotton to compete favourably in the Bombay market

Arts and manufactures of Amraoti are unimportant, the principal industry being the preparation of cotton for the market Indeed the ginning and pressing of cotton claim the first rank in the industries of the district Besides the cotton gins and presses there are oil presses, linseed oil being most commonly produced The most important cottage industries are the same as those practised in factories, namely the clearing of cotton, the making of seed oils of various kinds, and weaving Hand weaving is done in cotton, silk and wool or in combination

As noted above raw cotton is the chief export, and is sent by rail to Bombay and Calcutta, the only other exports worthy of mention being oil seeds, grain and pulses Raw cotton includes of course ginned and pressed cotton and covers 75 per cent of the total value of exports

The list of imports chiefly comprises articles of food and clothing, the chief items being grains and pulses, coal and coke, salt and sugar

Oil seeds, grains and pulses are exported to Bombay and the Central Provinces Grains and pulses are imported chiefly from the United Provinces and the Central Provinces, coal and coke from Central Provinces and Bengal, salt from Bombay, sugar, chiefly from Bombay but also from Bengal and the United Provinces

The Nagpur Branch of the G I P Ry is the chief means of communication The town of Amraoti is connected with Badnera Junction by a State Railway six miles long

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ELLICHPUR (population 28,592) —The trade in cotton is considerable Cotton carpets are woven Considerable quantity of forest products are brought here from MELGHAT for sale in the weekly markets

The crops grown are jowar, kodan, mal, rice and wheat (MELGHAT) Cotton, oil seeds and pulses are also grown to a small extent The forest products include boswelia, tea, adina, etc Cotton and silk fabrics are woven and dyed at ANJANGAON (population 11,597) and carpets are woven at ELLICHPUR The largest industry however is the preparation of cotton for the market and there are several ginning and presing factories

The chief imports of Ellichpur are grain and pulse, salt, sugar, etc The main exports are cotton, grains, pulses, oil seeds and forest products. These articles are first sent to Amraoti or Badnera whence they are despatched by rail to Bombay

DARYAPUR having connection with Murtizapur is another trade centre of the district The district contains a network of good roads

BALAGHAT DISTRICT.

The BALAGHAT district (area 3,467 sq miles, population 562,154, languages, Hindi, Gondi and Marathi) is well watered and is studded with numerous varieties of fruit trees The climate is generally damp and malarious Gastritis is common here due to the presence of mica in the water The average rainfall is about 62" Soil is rich in the plains and is alluvial on the Sone bank.

Crops grown are rice, kodan and kutki, wheat, urid, linseed, gram and turia Rice is cultivated over 418,000 acres Tobacco is cultivated on the Sone bank and is very profitable Castor seed is grown in rotation with tobacco Sugarcane is also grown Linseed occupied 69,000 acres, gram 25,000 acres and wheat 36,000 acres

The industries of the district are weaving of coarse cloth at WARASLONI and LALLBURA which are well known

The chief articles of export are rice, pulse, urid, tobacco which are sent to Chhatisgarh, teak from SONAWANI and CHAREGAON is sent to Nagpur and Kamptee, bamboos, hides, horns, myrobalans, lac, gum, etc Tendu tree leaves for biri making are available here The imports are gur, salt, jowar, wheat, gram, sugar, arhar, brass vessels, etc, etc

BALAGHAT city with a population of 9,605 has a certain amount of trade

BETUL DISTRICT.

The BETUL district (area 3,872 sq miles, population, 406,529, languages, marathi, Hindi, Gondi and Korku) occupies the entire width between the valley of the Narbada and the plains of Berar, the whole district being practically situated on the plateau with a mean elevation of about 2,000 ft The climate however is cool and healthy but malaria is prevalent during autumn The average annual rainfall is about 46" Black soil of good quality is scarcely found here and friable loam is the best soil of the district which is either black or brown in colour

The crops grown here are kodan and kutki, wheat, jowar, oil seeds, til and jagni and the labouring classes have small gardens generally, where they grow vegetables Area under crops in 1932-33 were rice 22,000 acres, wheat 178 000 acres, jowar 163,000 acres, gram 73,000 acres, sesamum 28,000 acres

Coarse cotton cloth of inferior quality is woven; brasswares are made at AMLA, RAMLI, JAWAL KHODA but brass vessels are imported from Hosangabad and Chindwara.

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The principal grains exported are wheat and oil seeds, gram, turia, and cotton Jowar is imported from Berar Gur is exported to Berar and Narbada Valley The exports of forest products are timber, mohua, myrobalan, chiraiyi, and guli (the oil of mohua oil seeds) Takari oil, gum and lac are also exported Timber is available The imports are thread (from Nagpur), cotton piecegoods, kerosene oil, hardware, gold and silver, salt, groceries and spices Betel-leaves and turmeric come from Berar Purchase and collection of grains are done by telis who carry them on bullock carts There are numerous weekly markets here, where retail transaction takes place

A religious fair is held annually at MELAJPUR near CHICHOLI where large sales of household articles and furniture are made A weekly cattle market is held at the BETUL town which has a population of 9,614 and is practically an isolated tract

BHANDARA DISTRICT

The surface of the BHANDARA district (area, 3,623 sq miles, population, 824,371, languages, Marathi and Hindi) is slightly cooler than Nagpur and malaria is prevalent during autumn The annual rainfall averages about 55"

The main variety of soil is called morand, which is black and is mixed with sand, the black soil is alluvial, yellow sandy soil is also seen here There is a considerable tract of fallow land

The crops grown are rice (503,000 acres), wheat (90,000 acres), jowar (74,000 acres), gram (32,000 acres), linseed (78,000 acres), kodan, turia (as second crops) and sugarcane Ginger, oranges and plantain are grown in the villages of JAM and ANDHARGAON and are sent to NAGPUR Manganese ores are worked near TUMSAR Building stones and road metal are also found in the district

Weaving of silk bordered cloth is carried on at BHANDARA (PAUNI, MOHARI and ANDHARGAON) Fine cloths made at PAUNI are famous and compete in markets Silk comes from Nagpur and Assam Brass and brass vessels are made at BHANDARA, stone jars at KANERI and cart wheels at TUMSAR Soft grass matting, bamboo basket and matting are also made

Rice is sent to Bombay, Nagpur and Berar, wheat, gram, pulses and urid and oil seeds are also exported which are taken by cart from PAUNI to Nagpur Teak and beaula-timber and bamboos, mohua, myrobalans, hides and wax are exported in large quantities Manganese ores are also exported The imports consist of piecegoods (from Bombay and Nagpur), kerosene oil, salt, sugar, gur (from U P or Bombay), jowar and arhar

The chief centres of trade are GONDIA (14,957), TUMSAR (10,061), TIRORA, AMGAON and PAURI (12 525)

BHANDARA (population 16,738) is an important station on the B N Rly The town has a population of about 16,000 and is famous for brass making

BILASPUR DISTRICT.

The BILASPUR district (area, 7,618 sq miles, population, 1,386,915, languages, Hindi, Oriya, and Chhatisgarhia, an Eastern Hindi dialect) contains rugged peaks and dense forests with elevated plateaus along the north of the district, to the south there is an undulating plain, composed mainly of shales and limestones The climate is fair and epidemics are common Leprosy is prevalent here There average annual rainfall is about 52" Kanhar, or black cotton soil prevails here, brown and yellow clays are also common

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The chief crops are rice, kodan, wheat, linseed (129,000 acres), and pulses Rice is cultivated over 1,267,000 acres and wheat over 79,000 acres

Condiments and spices (14 000 acres) and fruits and vegetables (18,000 acres) are also grown

The tassa silk of Bilaspur is best in C P, cotton cloths with borders of tassar are also woven Bell-metal vessels are made at RATNAPUR and CHAMPA Catechu is prepared and the people themselves dye their own clothes Iron ore, clay and lime stone are met with

The chief exports are rice to Bombay and Berar and Northern India Wheat, til, linseed and mustard are also exported Sal and bijasal (sleepers) are sent to Calcutta, lac is sent to Mirzapur Other exports are logs, sesamum, poles, hides and skin, and dried meat

A number of weekly markets are held in the district, most important of which are those at BAMUDIHI, BILASPUR, GAINARI, BALODA, TAKHATPUR and CHAMPA Gram and ghee are imported from northern districts, salt from Ganjam, and tobacco from Bengal and Madras for local consumption Piecegoods, sugar, salt, etc, are also imported

BILASPUR, the headquarter town, has a population of 25,735 and is rapidly increasing in importance It is a station on the B N Rly, 776 miles from Bombay and 445 miles from Calcutta The town stands 3 miles off from the Station but conveyances are always available It is the headquarters of the cooly recruiting Agency for Assam in C P The weaving of tassar silk and cotton cloth are the only industries of the town.

BHATAPARA and AKALTARA are the other collecting centres in the district

An annual fair is held at KUDARMAL where a certain amount of trade is done in grains and domestic utensils

BULDANA DISTRICT.

The BULDANA district has an area of 3,734 sq miles with a population of 767,113 The only lake in Berar (Lake Lonar) is situated on the south of Mehkar taluk The climate is intensely hot and dry during summer and equally cold during winter Annual rainfall averages about 45′ The rich land of the plateau is very suitable for the cultivation of rabi crops (wheat)

The staple food grain is jowar (528,000 acres), cotton (526,000 acres) is the most profitable crop and is widely cultivated, wheat (106,000 acres), bajra (46,000 acres), and oil seeds are also grown Groundnut is grown over 73,000 acres The principal trees are salai, lendia, ber, khair, char and teak

Cotton cloth and blankets which have a large local sale are woven but the principal industry is the preparation of cotton for the market and there are several ginning factories and cotton presses

The principal exports are raw cotton, oil seeds, grains and pulses and the main imports are grains, pulses, coal, coke, sugar and salt The main trade is with Bombay The important centres of local trade are the little Pargana villages where weekly markets are held G I P Rly, and the Godavari Valley Railway take part in carrying goods

The headquarter town of BULDANA contains a population of 7,504 and is not important industrially or commercially It is 28 miles from Mulkapur Station on the G I P Rly KHAMGAON (population 23,462) a station on the G. I P Rly, 341 miles from Bombay, is a big cotton market in the district Cattle are sold here Jalgaon has a

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population of 10,463 and is a cattle mart Other markets are SHEGAON (14,699) and NANDURA (11,212). Malkapur (17,565) and CHIKHLI (7,041)

CHANDA DISTRICT.

The CHANDA district (area 9,312 sq miles, population 759,574, languages, Marathi, Telugu, Gondi, Hindi, Urdu) is hilly and excepting the open portion it is thickly wooded The forest products are teak (plentiful), sal, bija sal, rohan, kodan, haldi, semul, mohua, dhuara, tendu, gairai and palas The climate is warm but healthy and the annual rainfall averages about 52"

Black soil is found adjoining the Wardha river and in the Doab between the Wardha and the Erai On the bank of the Wainganga alluvial belt of black soil is met with but stony and sandy soil covers a large area The crops raised are wheat (75,000 acres), jowar (223,000 acres), linseed (80,000 acres), copper (72,000 acres), rice (307,000 acres), (in the central and eastern parts) Sesamum (51,000 acres) is also grown and condiments and spices are grown over 10,000 acres

There is a colliery at WARORA Copper mines exist at THANWASARA, at GOVINDAPUR and at MENDHA Iron ores of good quality occur at DEWALGAON, GUNJWALI and LOHARE (69 per cent), PIPALGAON (79 per cent), and RATANPUR, but the ores are not worked Good building stone is also found Tassar silk-worm is bred, silk loin cloth and cholis and silk bordered cotton cloth weaving is done, of which the centres are CHANDA CHIMUR and ARMORI Brass and copper vessels are made at CHANDA and NERI Good lacquer work is done at POMURNA WARORA has a fire clay and tile factory There are also two cotton presses and ginning factories.

The exports are by rail and include oil seeds, timber, hides, horns, cotton and pulses, linseed, til, castor and mustard Rice is carried by carts Other exports are cotton, teak and wood in increasing quantity from ALLAPILAI, bamboos, gum, myrobalans, lac, grass, charcoal and mohua flower (to Wardha and Berar) The imports are salt, sugar, thread, piecegoods, metals and kerosene oil It is served by the Wardha-Warora branch of the G I P. Railway

CHANDA TOWN (population 17 080) —It is the biggest town in the district

WARORA TOWN (population 9,811) —It is the station where the bulk of the products of the Chanda District as also that of YEOTMAL in Berar reaches the railway There is also a colliery and a fire clay and brick factory

CHINDWARA DISTRICT.

The CHINDWARA DISTRICT (area 7,939 sq miles, population 967,101, languages, Hindi, Gondi, Marathi, Urdu) has three steps or elevations ascending from the south and is mostly hilly and is covered by the Deccan trap Here are extensive forests and many fruit and timber trees They are teak, saj (important timber), salt, tinsa, bijasal, shisam and landia, besides mohua, tendu (ebony), achar, mango and tamarind The climate is cool and healthy and pleasant and the annual rainfall is about 42" The annual rainfall for Seoni averages 53"

Soil varies from deep black loam to thin red or yellow One-fourth of the area is fallow The principal crops are wheat (214,000 acres), jowar (274,000 acres), arhar, kodan, kutki, til, jain and sugarcane Maize is grown on 264 000 acres, gram (104,000 acres) and cotton (74,000 acres)

Teak and saj and bamboos are plentiful Iron is found in KURAI range, gold washings (of PACHDHAR and BAWANTHARI rivers),

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chalk, hardstone, etc., are also found (CHHAPRA). Coarse cotton weaving (at SEONI, BARGHAT and CHHAPRA), tassar silk dyeing, making of glass bangle, lac bangle, earthen vessels, iron implements, skin tanning and leather working are the industries. There are colonies of cotton weavers in every town in the district as also in several large villages. Industries in tassar silk, sunn-hemp, ropes of grass and brass work exist at CHINDWARA. Grain and ghee trade is considerable, specially in SEONI. The trade centre for timber is KAURAI. An important weekly market is held at BHARAT; GOPALGANJ, KANIWARA and KEOLARI are the other marts. The largest market is at RAMKONA where about 3,000 carts are collected on a bazar day. LODHI KHEDA, PANDHURNA and SANSAR (5,919) are the other markets. PALATWADA, MORDONGRI and MOHKHER are also markets of some importance.

The principal exports are wheat, cotton, oil seeds, rice, sunn-hemp, gur (to Berar), potatoes and ginger (to Nagpur). Timber, minor forest products, hides, horns and manganese ores are the other articles of trade. Imports are salt (from Guzrat), sugar, piecegoods, brass and other metals, turmeric, catechu, betel leaves, etc.

SEONI town has a population of 16,981 and is the chief commercial town on the Satpura plateau.

CHINDWARA (population 17,080) :—Bastard date-palms are found in the vicinity, from which the town takes its name. It is the centre of local trade; pottery and cotton hand-weaving are the industries. Tassar silk is also woven

DRUG DISTRICT.

DRUG (area 3,807 sq. miles; population 818,082) consists of a long strip of land running from north to south. The climate is exceptionally hot and the average annual rainfall is about 48". Large portions of the district consist of rich black soil while the remainder is yellow clay or gravel. Iron ore is available. Fruits and vegetables are grown over 14,000 acres. The principal crops are rice (738,000 acres), wheat (114,000 acres), gram (56,000 acres) and linseed (113,000 acres). The district is served by railways and has a network of roads.

DRUG TOWN (population 13,172) :—The bell-metal industry is famous. Cotton cloth is woven here for local use. The town has a good trade in betel-leaves. It is situated on the main line of the B. N. Rly., and contains the ruins of the mud fort which is of great antiquity.

HOSANGABAD DISTRICT.

The HOSANGABAD district (area 4,922 sq. miles; population 806,632; language, Hindi) is situated mainly on the long narrow strip of the Narbada Valley. The important forest products constitute teak, saj and dhaura. The climate is generally healthy and the rainfall is about 50" on the average. Hail and thunderstorms are common in the latter part of the summer months. The prevailing soil is rich, black alluvial loam but sandy soil is also seen.

The chief crops grown are wheat (403,000 acres), grains, gram (130,000 acres), jowar, kodan, sesamum (136,000 acres), and kutki. Fodder crops are grown over 66,000 acres. The betel vines of SOHAGPUR (population 8,341) have good reputation. Cattle are imported here from the Native States. Cloth weaving by hand-looms is practised at SOBHAPUR and NAHARKOLA for local use. There is tassar silk weaving and dyeing industry at SOBHAPUR. Nut-crackers (ornamental) and bamboo walking-sticks are made and exported from HOSANGABAD town. There are also cotton ginning and pressing factories.

The chief exports are wheat, til, linseed and cotton; teak and other timbers, myrobalans (Rajabaori and Bori teak are best in C. P.), ghee

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(considerably exported), honey (from Pachmarhi), building stone and brass vessels (from Handia), and mohua (to Khandwa) The imports are salt (from Sambar and Ahmedabad), sugar (from Mirzapur), gur (from Betul and berar), tobacco (from Muzaffarpur), rice (from Chattisgarh) The chief weekly markets are at ITARSI (population 11,787), BABAI, HANDIA, SOBHAPUR, and BANKHERI

HARDA (16,031) 48 miles from Itarsi Junction on the G I. P. Rly., is a market for grain and cotton SOHAGPUR, a station on the Itarsi-Jubbulpore branch (G. I. P), is a good market for jungle produce and has a sericulture house The timber market is at RAHATGAON The traffic is rail and road borne

HOSANGABAD Town (population 12,372) is situated in a picturesque position on the Narabada Brass utensil and bamboo walking-sticks are made Excellent building stones are available from a quarry in the vicinity of the town

Nearly the whole of NARSINGHPUR (population 11,077) lies south of the Narbada and the greater part of the tahsil is situated between the Narbada and the Satpura The valley is covered by a deep layer of alluvial soil which is famous for its fertility The chief crops grown here are wheat, gram, til, rice, jowar, cotton, kodan, linseed, etc There is a coal mine at Mohpani

GADARWARA (population 9,077) is an important centre of hand-weaving and dyeing CHICHLI has an industry of brassware There is also a ginning factory at GARDARWARA

The chief exports are wheat, oil seeds, gram, ghee (to Calcutta), hides and bones (to Bombay) The imports are rice, sugar, kerosene oil, cotton cloth and gur Three annual fairs are held at BARMHAN, BAREHTA and SANKAL

G I P Rly (Jubbulpore line) traverses the district and carries considerable traffic It has numerous good roads (Bombay-Jubbulpore Road)

JUBBULPORE DISTRICT

The JUBBULPORE district (area 3,918 sq miles, population 756,346, languages, Hindi and Urdu) is chiefly a hilly tract intercepted by good fertile valleys and river banks The district is wooded with mango, ber, tamarind, guava, mohua and other fruit-bearing trees The timbers of the forests are teak, saj, haldu, tendu, or ebony and bamboos Peaches, pineapples, excellent potatoes and vegetables are also grown

The climate is pleasant and salubrious and the average annual rainfall is about 60" The best soil of the district is black alluvial clay or loam of the Upper Narbada Valley Sandy soil is also met with Special feature of the district is grass cropping on more than 1,000 sq miles

The crops are wheat (306,000 acres), rice (205,000 acres), gram (200,000 acres), sesamum (45,000 acres), jowar (27,000 acres), oil seeds (92,000), etc Betel vine gardens also exist in a number of places near JUBBULPORE CITY and BILEHRI Fruits and vegetables have a good local demand

Iron ores occur and are worked to a small extent at JOHLI and SIHONA Manganese ores occur at GOSALPUR, SIHORA, KHITOLA Copper ores also exist and the limestone deposits at MURWARA are worked Bauxite and red ochre are available Cotton weaving is carried on at GARHA and MAGHOLI (coloured saris) Cement factories have been started at KATNI, KYMORE, MEKGAON, and JUBBULPORE Glass, lime and potteries are made in the district Fire bricks are also being manufactured The dyeing centres using vegetable dyes are INDRANA and RAMKHIRA. Brass and copper vessels are made at JUBBULPORE and PANAGAR KATANGI

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produces glass vessels There are spinning mills and gins and presses besides the gun carriage factory Wire-netting, thick bedding cloth, weaving of cloth for pillows and mattress cases, net money bags, and Scotch and Kidderminster carpets are some of the jail industries of the district and they find a ready market Bidi industry is now well established But Jubbulpore is still mainly an agricultural district

The principal exports are wheat and oil seeds, hemp (to Calcutta and Bombay), ghee and forest products are sent from Jubbulpore in large quantities (to Seoni and Mandla) Hides, horns and dried beef are largely exported The chief imports are salt (from Sambhar), sugar, gur, kerosene oil, vegetable oils, cotton, cloth, dyes, glass bangles, etc Weekly markets are held at PANAGAR, BARELA, SHAHPURA, PATAN, BILHERI, KATANGI, SILONDI, UMARIA

KATNI is an important trade centre for ghee, wheat, bronze utensils, Indian shoes, and old stone It is a junction-station for the E I R, G I. P, and the B. N. R. lines and contains a large Sarai for the Hindus

SINHORA Road, on the railway line from Jubbulpore to Katni lies at a distance of 24 miles from Jubbulpore It has a population of over 6,000 It is a municipality but levies no terminal taxes

JUBBULPORE (population 97,468) the chief town and administrative headquarters, lies on the junction of G I P and E I Rly lines It is 616 miles from Bombay and 784 miles from Calcutta The Omti, a small river separates the civil station and cantonment from the town It is a municipality

Many religious fairs are held at different sacred places on the Narbada BHORAGHAT and KUMBHI are important

MUNDLA DISTRICT

The MUNDLA district (area 5 088 sq miles, population 446 066 languages, Hindi and Gondi) is mostly hilly and undulating with a good many fertile valleys in it The climate of the district is generally cool and pleasant and the average rainfall is about 53"

Soils vary from basalt rock, sandy black to stony barrens The chief crops are wheat (125,000 acres), rice (155,000 acres), gram (63,000 acres) oil seeds (rape and mustard 26 000 acres), millets and sugarcane Maize is grown over 27,000 acres Cultivation depends generally on natural rainfall

Coarse cotton, bell-metal vessel and glass and lac bangles are made Two important fairs are held at HINDNAGAR and MADHUPURI

The chief exports are wheat, rice, oil seeds, sunn-hemp, ghee, tea, lac and myrobalans There is sufficient pasture ground in the vicinity of the reserved forests.

The imports are salt, sugar, kerosene oil, gur, pulses (arhar), spices, vessels of brass, and silk and cotton cloth The chief trade centre is PINDRAI and internal trade is carried on in weekly village markets by carts B N. Rly passes through the district MANDLA (population 7,997) is also a centre of trade

NAGPUR DISTRICT

The greater part of the NAGPUR district (area 3,843 sq miles, population 933,108, language, Marathi) is an undulating plain and is traversed by low hills and ranges, generally spurs from the Satpura hills In the forests on the Satpura hills grow saj, archra, tendu (on heavy soils) and satin wood Mango, mohua, tamarind and datepalms are common in the open country Nagpur is one of the hottest places during the summer but the climate is not unpleasant Annual rainfall averages 46", less in the west than in the east

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The prevailing soil of Nagpur is black cotton, and the principal crop grown is jowar (469,000 acres), others are wheat (222,000 acres), til, linseed and gram Cotton cultivation (273,000 acres) is gradually increasing Condiments and spices are grown over 10,000 acres The cattle are all imported as there is scarcely any grazing ground Deposits of manganese occur in several localities (in Ramtek Tahsil)

Weaving of cotton cloth is the home industry at NAGPUR and UMRER, gold and silver thread of BURHANPUR are famous Silk comes from Bengal and China and tassar from Chhattisagarh There are several cotton weaving and spinning mills A small pottery factory has been recently established

The chief exports are raw cotton, cotton seed, linseed, til and wheat, oranges, wild plum and betel-leaf Yarn and cotton cloth are made Many articles are also received at Nagpur and re-exported The imports to Nagpur district are rice, timber and bamboos (Chanda, Seoni etc.), cotton and grain, sea-salt, sugar, gur, kerosene oil, woollen and iron goods

KAMPTEE (population 20,787) is the largest weekly market Sunday and Wednesday bazars held at NAGPUR are also important Other leading markets are GAORI and KELOD (for grain and timber), MORWAR (grain) A large fair is held at RAMTEK (population 8,934) in November and religious fairs are held at AMBHORA, KUDHARI, ADASA and DHAPEWARE

NAGPUR (population 215,615) —Nagpur is the capital town of the Central Provinces and Berar and the leading industrial and commercial town in Central India Its trade is chiefly confined with Bombay It is situated at the junction of two important railways, namely, the Great Indian Peninsula and the Bengal Nagpur Railways

Nagpur is divided naturally into two parts, the city proper lying east and south of Sitalbaldi fort and the railway station, while the civil station lies to the west and north of these The importance of the place will be realised when it is said that within the last decade or two it has grown to be the leading industrial and commercial town in the centre of India It owes this influential position chiefly to its cotton trade

For more than a century Nagpur has been noted in India for its orange gardens and for the cotton and silk fabrics woven by its large Kashti population of hand loom weavers In fact, in spite of the machine competition a considerable number of spinners, weavers, and dyers is engaged in their manual professions

There are a number of cotton spinning and weaving mills In recent years the mining of manganese in the neighbouring tracts has added to the trade of Nagpur The bulk of the general trade has also greatly increased lately

The chief items of commerce relate to timber and fire woods, kerosene oil, imported piecegoods, leather goods, food-stuff, tobacco, aerated waters and ice The trade in wood is specially heavy The import of building timber is large and it is accompanied by great activity in brick-making owing to the constant demand for house building There are now numerous oil mills near the railway station Passing mention may be made of printing presses, ice factory, etc A number of cotton mills have been started in the town and finished goods, e g, dhotis, saris, etc are transported to Bengal and other places

The chief imports to the place from the interior by carts and from the adjoining districts by rail are rice, paddy, lac, honey, cotton, myrobalans, dhuna, hill sticks, orange, wax, etc These articles and oranges in large quantities are exported to Calcutta, Bombay, Madras and the

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up-country towns. The surrounding country produces enormous quantities of oil seeds. Timber is available in the jungles and constitutes an important business of Nagpur. The districts, not far from Nagpur, produce good cotton which is exported to be consumed by the local mills for spinning and weaving cotton. Railway sleepers are made from the C. P. timbers. Seti-mustard seed, mohua and its seeds, kala til and ganja are exported in large quantities from this place. Goods are generally exported by rail.

It is served by the B. N. Rly. and the G. I. P. Rly. and has many good roads.

KATOL (population 10,900) on the bank of the Jumna, is 36 miles from Nagpur by road; and SAONER (7,969) a railway station on the Itwari-Chhindwara Branch line (B. N. Rly.), is 24 miles from Itwar. UMRER (17,913) a station on B. N. Rly., 33 miles from Nagpur, exports silk bordered dhotis.

Other centres of trade are KHAPA (8,191) and MOWAR (5,206).

NIMAR DISTRICT.

The NIMAR district (area 4,227 sq. miles; population 467,490; languages, Hindi and Marathi) is divided by the Satpura ranges and has the Tapti valley in the south and the Narbada valley in the north. The climate is healthy and the average rainfall is about 32".

Soil is partly alluvial and is rich black along the banks of the rivers. The chief crops grown are cotton (311,000 acres), jowar (253,000 acres), til, wheat, rice, pulses, ganja, betel vine, pomegranates (at NIMAR). Working and transport of raw cotton is the chief industry; besides, there are, coarse cotton weaving and ginning and pressing factories at KHANDWA, LALBAGH, BURHANPUR, NIMARKANDI, JAHAR and PANDHANA. Oil mill and timber factory and iron foundry are situated at KHANDWA.

The chief exports are raw cotton, seed, til, jowar, sunn-hemp, timber, bamboos, flowers, (mohua flowers) and groundnuts. The imports are salt, gur, tobacco, kerosene oil, building and paving stones, etc., etc.

KHANDWA, the Sadar Station, is situated on the G. I. P. Rly., 1,256 miles from Calcutta. It stands 1,007 ft. above sea-level with a population of 34,622. It is a very ancient place and was once a famous seat of Jain worship. A Jain temple has been recently erected at a cost of over Rs. 75,000. There are four old tanks in the town which has a municipality. The town is remarkable by an absence of trees.

BURHANPUR (population 44,666) is a great commercial centre for grain and cotton and manufactures and exports silk bordered dhoties to the value of thousands of rupees. The town, which is walled, stands on the bank of the Tapti and is 4 miles from the station of the G.I.P. Rly. But conveyances are available. It is 647 miles from Delhi and 43 miles from Nimar. It contains some historical relics and buildings. G. I. P. and Rajputana-Malwa Rlys. cross the district which is served by good roads.

RAIPUR DISTRICT.

A narrow strip of the Satpura range enters the RAIPUR district (area 11,885 sq. miles; population 1,526,803; language, Chhatisgarhia) and opens near Nandgaon and Khairgarh States. Teak occurs here; sal, karra, bijasal, babul, mohua and grass are also abundant. Heat is great during summer and the climate is not good. The average annual rainfall is 55".

Rich black soil is found around DHANDA and DERBIJA and the banks of the rivers. The chief crops are rice (1,610,000 acres), kodan,

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wheat, urid, mung, math, gram, linseed (194,000 acres), sesamum (35,000 acres), of which linseed is the most important in the province Fruits and vegetables are grown over 20,000 acres There is much difficulty in transporting forest products though teak, sal and bamboos are abundantly found

Tassar silk is woven as also coarse cotton cloth, ornaments and vessels of bell-metal are made at DRUG, DHAMTA, NAWAPARA and RAIPUR Glass bangles are made at SHINGA, NEORA and KURRA Iron ore is found and smelted Cotton gins and presses exist

Exports are rice wheat, til and linseed oil cake, teak, sal, bijasal, lac, mohua and myrobalan The imports are salt, sugar, gur, (BASTAR), cotton thread, foreign cloth and metals, brass vessels, hardware and stationery

A large weekly cattle market is situated at BALODA Bazar near SHIMOGA Other centres of trade are BARONDA, BAREKEL, UTAI RANITERAI, GANDAI, ARJUNDAH, DRUG, KURUD, DHAMTARI, NEORA, etc B N Rly passes through the district and is served by good cart roads

RAIPUR (population 45,390) is a great railway junction (branch DHAMTARI with a population 11,505 and RAJIM) Brass making, lacquering wood, cloth weaving and mat-making are the industries Oil mill and cotton ginning factories are situated here There is a small museum

SAUGOR DISTRICT

The SAUGOR district (area 6671 sq miles, population 851,258, language, Hindi) has numerous isolated hills and the general aspect is generally undulating But it has many open parts also The hills are poorly wooded but has pure teak forests The climate is pleasant and is healthy during the greater part of the year Average rainfall is about 48"

Prevailing soil is dark loam known as mund and is much praised owing to its easy workability The chief crops are wheat (437,000 acres), gram (95,000 acres), linseed, jowar, kodan, cotton, rice, til, etc Betel vine gardens are found at SAUGOR, BAHEH, SABAJPUR, JAI SINGHAGAR, etc

Weaving and dyeing (at SAUGOR, HEHLI, DEORI, GOURJHANAR, GARHAKOTA), brass working (at DEORI, KHARAI and MALTHOME), iron work (at RAHATGARH), gold and silver works, glass works, bell-metal, etc are the chief industries

The exports are grains, til and linseed, forest products, betel leaves, skins and horns of antelopes The imports are cotton piecegoods, kerosene oil, metals, hardware, groceries, spices, country cloths, sugar, tobacco, salt, etc

SAUGOR (population 40,901 including the cantonment)—The industries of the place are declining Trade of the district is concentrated here GOR and SAHAPUR are the trade centres.

BINA JUNCTION, on the G I P Rly, main line, is a big grain market, and wheat and gur are the chief exports from KHARAI, a railway station on the Bina-Katni section of the G I P Rly

DAMOH (population 20,728) which now constitutes a part of this district, forms a part of the Vindhya plateau in the extreme north of the province and is intercepted by rivers and valleys The climate of the place is on the whole moderately cold in winter and temperate in summer but DAMOH town is somewhat hotter than the rest of the district The annual rainfall averages 32" Soil and form of cultivation

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differ from tahsil to tahsil, black soil of the light and friable kind and of great fertility occurs

The crops raised here are wheat, grain, linseed, rice and kodan Jowar and til are also cultivated to a very small extent Teak and sal are the chief timbers in the reserved forests There are sufficient grazing grounds, and fodder grass is sold Iron ore has been found near the PANNA State border and building stone is also available

Country cloth is woven at DAMOH and the chief centres of the industry are at BANSA, KALAN, DAMOH, HINDORA , SITANGARH and HATTA (saris) Dyeing by indigenous process is also carried on Household vessels are made at DAMOH and HINDORA Paper is made by hand at PANCHAMNAGAR

The particular exports of Damoh are wheat and oil seeds It sends teak and bamboos to Northern India as also lac Ghee is largely available and has a good trade with Calcutta The principal imports are piecegoods (from Bombay), kerosene oil, gur (N India), sugar, tobacco, copper vessels, etc

Other places of trade KHURAI (695), DEORI (5,638) and ETAWAH (7,439) and SAHAPUR

The district is well served by the G I P Railway

WARDHA DISTRICT

The WARDHA district (area 2,428 sq miles, population 516,311 languages, Marathi and Hindustani) consists of a long strip of land along the banks of the Wardha range, the outlying spur of the Satpura range runs through the district Arvi tahsil is a hilly country MALEGAON, NADGAON and GARAMSUR are the peaks in this district The climate of the district is generally hot and dry but is quite healthy Annual average rainfall is 42 Leprosy is common here

Nearly the whole of the district is covered by thin black or dark brown soil and the best black soil is found on a level ground on the left bank of the Wardha range

The crops raised are cotton (361 000 acres) jowar (228 000 acres), wheat, linseed, rice, sugarcane, turmeric, (Hinganghat Tahsil at Waigaon), besides, there are many orange and banana plantations (ARVI) Betel-leaves are found at ASHTI and JALGAON, cotton weaving and dyeing is practised, coarse tape for bedsteads is also made PARDI is a centre of hemp and HINGANGHAT has spinning and weaving mills

The chief exports are cotton, wheat, linseed, cotton seed (to Europe), jowar, arhar (to Calcutta), hides, skins, cloth (from HINGANGHAT and PULGAON) and teak and plantains (from ARVI) The imports are cotton piecegoods (through Calcutta, Bombay and Cawnpore), silk cloth, salt, sugar, potatoes, brass vessels, glass bangles, wheat and rice

HINGANGHAT is a big town peopled by 22,601 persons Hides, skins and cloth are exported

WARDHA TOWN (population (19,571) is the Sadar Station and an important cotton mart and has many ginning and pressing factories Water supply comes from Dhan Range

PULGAON (population 7,845), 20 miles from Wardha, is an important market in the district for export of cotton and cotton seed. It has a population of over 7,256 and stands on Nagpur-Bhusawal Branch (G I P Rly)

Important trade centres are ARVI (16,293) and Deoli (6,209)

The G. I. P. Rly, runs through the centre of the district A branch line runs from Wardha to Warora It is 686 miles from Calcutta via Midnapur and Nagpur.

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YEOTMAL DISTRICT.

With a few exceptions, the YEOTMAL district (area, 5,219 sq miles, population, 857,573) consists of hills (offshoots of the Ajanta chain) Soil in these isolated places consists of a deep layer of rich black loam The climate is extremely dry during the hot season but temperate during the rains and pleasant during the cold season Average rainfall amounts to about 42" Soil is generally of a very poor quality on the plateau but is fertile in the valleys near small rivers

The crops grown are jowar (571,000 acres), cotton (762,000 acres), pulses, oil seeds and wheat, all of which are extensively cultivated The forest products are timbers, fuel and fodder Pasture land covers about 800 sq miles

Ginning and pressing of cotton weaving of khadi, saris and turbans and cotton printing are the industries of the district

The exports are raw cotton, oil seeds, cereals, pulses, etc The chief imports are cereals and pulses, salt and sugar which come mainly from the neighbouring districts and Bombay Goods are carried by the G I P Rly which is reached by Yeotmal-Dhamangaon road YEOTMAL is the chief centre of cotton trade and the general trade of the district WUN, DARWHA and DIGRAS are also trade centres in the district which contain cattle markets Weekly markets are held in the Pargana towns

YEOTMAL (population 20,967), the district headquarters, is a Municipality and contains several ginning and pressing factories The town is connected through DHAMANGAON with a metalled road 29 miles away on the G. I P Rly

Trade centres are WUN (12,597), PUSAD (9,862), DIGRAS (9,398) and PARIDHAR, KAORA (7,577)

C. P. STATES.

Principal states in the Central Provinces and Berar are Bastar, Nandgaon, Surguja, Raigarh, Khairagarh, Kanker, Sarangarh, Udaipur, Kawardha, etc

Bastar is situated in the south-east corner of the province The total area is 13,062 square miles and the population is 464,407 Details appear on page 505

Nandgaon covers an area of 871 sq miles peopled by 147,919 The capital town is RAJ NANDGAON It lies in an open black soil plain of great fertility

Surguja State (area 6,089 sq miles, population 377,679), contains extensive grazing grounds Coal fields exist in BISRAMPUR, the headquarters of the State The people are Gonds, Goalas, Oraons and Korwas

Raigarh State (1,486 sq miles, population 241,634) lies on the border land dividing Chhatisgarh and the Oriya country It produces agricultural crops characteristic of the provinces Timber is available in plenty The capital is RAIGARH on the B N Ry and has got courts, schools, hospitals, etc

Sarangarh State (population 117,781), lies between Bilaspur and Sambalpur There are 455 villages in the State The chief town is SARANGARH, which is 32 miles from Raigarh

Khairagarh (area 931 sq miles, population 124,770) has extensive forests which yield teak and bamboos The population is composed of Gonds, Lodhis, Chamars and Ahirs The State maintains about 30 schools and a few dispensaries.

Kanker State covers an area of 1 429 sq miles, most of which consists of hill and forest country Population, mostly Gonds, is 122,928

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MARKET PLACES OF ASSAM.

THE Province of Assam can be divided into three natural divisions: the Surma Valley, the Brahmaputra Valley and the intervening range of hills. The Surma Valley is a flat plain about 125 miles long and 60 miles broad and is shut on both the sides by ranges. The valley of the Brahmaputra is an alluvial plain about 500 miles long and 50 miles broad. The total land consists of the Jaintia, Khasi and Garo Hills, stretching from east to west and of the Lushai Hills in the south. The Province has an area of 26,000 sq. miles and a population of 9,247,857.

Climate:—The climate of Assam is cold and extremely humid. But the temperature is never extreme. Average annual rainfall is abundant but varies from place to place according to height: Sylhet 57", Silchar 124", Cherrapunji 500", Goalpara and Lakhimpur 115" and at other places it is about 80" on the average, but as low as 68" is not uncommon. Storms occur during the spring months and the Province is often subject to earthquakes.

Natural Resources.—In the Surma Valley, rivers rise from the Naga hills and flow south through Manipur. Slender palms, feathery bamboos, and broad-leaved plantains are seen everywhere in the villages. Throughout its length the Brahmaputra Valley is enclosed by marshy land covered with thick grass jungles interspersed with cultivation here and there. Rice is grown, forest timbers are felled and tea gardens are opened. There are large areas of waste land, swamps, forests and hills, and in some parts of the valley population is beginning to press upon the soil. The slopes of the lower hills are clothed with forest and the rivers pass through gorges of exceptional beauty. Ranges of hills comprising the Naga, the Jaintia, the Lushai, etc., are broken by sharply segregated ridges and deep valleys, all of which alike are covered with forests. The State of Manipur, however, though situated in this portion is a fertile valley surrounded by a range of hills.

The uncultivated portion of the Assam Valley is usually covered with forests or with big grass and reeds (ikra, nal and khagri). The trees found are sal but in the west amoora, michelia, magnolia, ficus and mesua are common. Various kinds of palms, canes, tree ferns, bamboos and plantain trees are also common. The greater part of the Assam range is covered with dense forests or jungle and the most valuable timber trees in them, besides sal, are tita sapa, jarul, stroemia, nahor, sam, gomari, khair, sisu and gunserai. Forests cover about 4 million acres Elephants are largely available here and are found wild. Lac and silk cocoons are collected from forests.

Forests:—The total area of the reserved forests stands at 6,145 square miles. The main output of the forests consists of timber and sleepers.

Crops:—The chief crops in the province of Assam are rice and tea. The two great alluvial plains of the Brahmaputra and the Surma are suitable for cultivation. Deep, soft, clayey loam is best suited for the cultivation of rice of various qualities which are grown over huge areas in the different tracts in the district. Wheat and barley are grown on a limited scale in the Goalpara district. Jute is grown in Goalpara, in Sylhet and also in Kamrup. Linseed is grown in Sylhet. Garden

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crops include tobacco, several kinds of plantains, vegetables, palm, areca palm, pepper, and various kinds of spices The Khasis export Potatoes, Oranges, Pineapples, and leaves of bay tree; and cotton is grown by most of the hill tribes Cowdungs and sweepings of courtyards are used as manure to garden crops, sugarcane, jute and the nurseries The great handicap to cultivation is absence of labour and many tea gardens are worked by indentured labour

The areas under different crops in 1933-34 were rice (4,722,000 acres), tea (430,300 acres), rape and mustard (330,000), til seed (31,000 acres), sugarcane (35,000 acres), jute (145,000 acres), cotton (37,000 acres), tobacco (14,000 acres), total (6,607,085 acres)

Area under crops in 1,000 acres in various districts of Assam follows —Rice—Sylhet (1,742), Kamrup (774), Goalpara (419), Lakhimpur (310), Sibsagar (473), Cachar (286), Darrang (284), Nawgong (355), Other food grains and pulses—Kamrup (65 2), Nowgong (32 5), Rape and mustard—Darrang (39), Goalpara (46), Kamrup (75), Nowgong (50 4), Sibsagar (245), Cotton—Garo Hills (19), Jute—Nowgong (42), Goalpara (37) and Kamrup (21), Tea—Lakhimpur (107 5), Sibsagar (98), Darrang (61), Sylhet (86 7), Cachar (54 8), Tobacco—Goalpara (5 7), Fruits and Vegetables—Sibsagar (118 9), Darrang (46), Sylhet (35), Cachar (28 5), Lakhimpur (35)

Minerals:—The minerals worked in Assam are coal, limestone and petroleum oil Coal is found at MAKUM, and KHASI, JAINTIA and NAGA HILLS The output in 1934 was 186,313 tons, of which 164,622 tons were mined in Lakhimpur and 21,691 tons in Naga Hills Limestones are found extensively on the southern face of the Khasi and Jaintia hills —from the Someswari River in Garo hills to that of the Hari river in the Jaintia The centre of the trade is SYLHET Petroleum is worked in the MAKUM FIELDS in Lakhimpur and also at some other places (MANIPUR, BADARPUR and BANAK in Cachar) Iron is worked to a very small extent in the Khasi hills It is also found in Mikir hills Platinum has been found in the sands of the Dihing river and lead and silver are found in the Khamti hills

Tea Industry:—The predominating industry of the Province is the manufacture of tea, both black and green There was a considerable increase in the number of tea gardens in Assam in 1934, the number at the close of the year being 1,046 against 999 in the previous year Of these 336 were owned by Indians One new garden was opened in Sylhet and Goalpara each and three in Lakhimpur

The total area under tea during the year increased from 430 417 acres (revised) of the previous year to 431,782 acres, new extensions being 11,108 acres and abandonments 9,743 There was an increase in area in all the districts except in Nowgong The area plucked increased from 406,163 acres to 408,860 acres and represent 94 7 per cent of the total area under tea against 94 4 per cent of the previous year The area owned by Indians was 53 492 acres

The total area of land comprised within the tea estates in Assam was 1,641,056 acres against 1,656,022 in the preceding year, of which 26 per cent was actually under tea The area in the occupation of Indian planters was 232,806 acres

The daily average number of labourers employed in tea gardens during the year was 540,413 against 517,167, the permanent garden labour being 475,210, permanent outside labour 28,023 and temporary outside labour 33,180 against 460,034, 26,216 and 30,917 in the previous year This increase is attributed to the generally fair price prevailing in the market due to the restriction scheme and the larger areas under tea

If you want to market Crops, learn Preliminary process from PREPARING CROPS FOR THE MARKET, Re 1-8. Industry Press.

The total outturn of tea in the province during the year was 232,316,426 lbs. of black and 518,992 lbs. of green tea against 218,456,147 lbs. and 884,879 lbs. respectively in the previous year, or an increase of 13,494,292 lbs. in all. Green tea was manufactured in certain gardens in Sylhet and in three gardens in Cachar against some gardens in Sylhet and one in Nowgong in the previous year. The total outturn of green tea decreased from 884,979 lbs. to 518,992 lbs. showing a decrease of 365,987 lbs.

In spite of the restriction scheme the prices obtained were not as good as those of last year, except in a few districts, although they are better than those of 1933.

Due to large stocks in England and the smaller consumption, combined with a slightly increased outturn, the continued restriction scheme did not have such a beneficial effect on the market as in the previous year. Except in one or two districts smaller profits are expected for the year under report.

Strict economy had to be observed in all the gardens to keep them going and although the prospects are less gloomy than formerly, the situation will require careful handling for some time to come.

Five gardens were not worked during the year and many more, especially the smaller concerns, are greatly feeling the effects of the slump.

Factories:—During the year ended December 31,1934 the number of factories in Assam was 707, an increase of 35.

The average daily number of persons employed in the registered factories was 45,765, an increase of 1,446. There is a net increase of 1,466. There is a net increase of 1,388 adult men workers: the total decrease being due to the reduction in women workers. Child labour increased by 78.

Industries of the modern type including rice mills, oil mills, brick, pipe and pottery works at LEDO (Lakhimpur); paper pulp making at SILCHAR; kerosene oil tinning and packing at BAHADURPUR GHAT (Cachar); railway workshops at DIBRUGARH (Lakhimpur), TEZPUR (Darrang) and JORHAT (Sibsagar); petroleum refining at DIGBOI (Lakhimpur); engineering workshops at DIGBOI, RAHABARI, (Dibrugarh), MARGHERITA, TALAP, BARAHAPJAN, all in the Lakhimpur district.

Cottage Industries:—The most common cottage industries of the Province are cotton weaving and sericulture. The cotton weaving industry of Assam exists in three distinct stages among the three different classes of the people. Among the progressive inhabitants of the Surma Valley, the industry may be said to be extinct, and there is little probability of its revival. Among the Assamese proper, it still holds an important position, even in the manufacture of the coarser cloths. It will probably be long before these are altogether superseded by imported fabrics, and the weaving of delicately ornamented clothes will, no doubt, long continue to be a favourite pastime for well-to-do ladies. In the hills and among the hillsmen, who have settled in the plains, weaving is still largely practised.

Sericulture is practised on a fairly large scale. Muga silk worm is reared in Sylhet, Cachar and Kamrup and is woven into fabrics or exported to Calcutta and other markets. Endi silk was for long the monopoly of Assam but its rearing now extends to Eastern Bengal. The crops are usually reared from September to November and from February to March when the climatic conditions are considered ideal.

Unlike cotton, silk weaving is not an industry inasmuch as it is a part of the occupation of every female in Assam. The remarks about

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the nature of cotton weaving in Assam apply equally to the silk weaving industry Silk fabrics are also woven both for home consumption and for sale The mass of the cotton weavers in Assam are in a very depressed condition which along with the existence of vast tracts of fertile lands account for the greater development of the silk indusry of Assam, both in raw silk and silk piecegoods, than is the case with cotton

Among other industries of the Province may be mentioned manufacture of brass and bell-metal articles, shoes, wooden utensils, wood carving, toy making, pottery, etc Of the industrial arts may be noted jewellery and enamelling, ivory carving, embroidery and lac bangles Handicrafts are mat and basket making, blanket and durri weaving, brush and comb making, cutlery, etc

The minor industries are burning of limestone, preparation of molasses and mustard oil, making of boats, canes and tea boxes, the manufacture of earthen vessels and local jewelleries Other manufactures are iron work and rough pottery

The district of Sylhet is famous for lime, mats of bamboo and reeds, boxes and furniture made of reeds, bracelet of shell, and lac, agar or attar (a perfume from sap of agar tree), toys, fish-oil, dried fish and boat There are several oil and rice mills at GAUHATI and in some other parts of the Province There are saw mills and brick potteries in the Lakhimpur district The chests are made from simul trees The total number of factories in the Province is 6,200

The **fish industry** is one of the most important of the indigenous industries of the province of Assam It is still carried on in the old methods, either by individual fishermen, or by a combination of fishermen, working under a middleman, who takes the lease of a fishery, and supplies the boats and nets necessary for carrying on the business, while the fishermen supply the labour The industry obtains in several forms —(1) Exports of fresh and salted fish, (2) Preparation of dried fish, (3) Preparation of fish oil, (4) Sale of fish manure The possible by-products are fish manure, isinglass, fish skin and fins preservation of fish may also be tried

Timber:—The plentiful supply of timber has been the occasion for the operation of a number of saw mills And a big match factory has lately been started at Dhubri (Goalpara) by the Swedish Match Company Considerable progress is reported of the efforts of the Assam Forest Department to secure a more speedy regeneration of the several kinds of forests Very gratifying progress has been made in the case of sal And in Goalpara, an interesting experiment is being made Large areas have been taken up and timber suitable for the manufacture of boxes and matches is being grown and experimented with

Unemployment in Assam:—The Government of Assam have taken action on the following lines to give effect to the recommendations of the Assam Unemployment Inquiry Committee —A large scale economic survey is under consideration The Government are prepared to do what is possible to offer a market for satisfactory local products in the shape of Government requirements

Schemes for giving training on agriculture and on manufacture of soap and printing industry are being considered Schemes for the improvement of handloom industries have been sanctioned

Trade:—The bulk of the trade, apart from tea, consists of raw products, due to the very undeveloped nature of the Province The principal imports are generally cotton piecegoods and twist, husked

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rice, salt, sugar, kerosene oil, mustard and other oils, gram and pulses, tobacco and metals The chief exports are tea, unhusked rice, oil seeds, coal, lime, rubber, timber, jute, raw cotton, lac, hides, oranges, etc

The most important centres of trade are GOALPARA, BARPETA, GAUHATI, TEZPUR, NOWGONG, GOLAGHAT, JORHAT, DIBRUGARH and SADIYA, HABIGANJ, AJMIRIGANJ, SUNAMGANJ, CHHATAK, BALAGANJ, SYLHET and SILCHAR

The trade of Assam is chiefly with Calcutta and Chittagong by rail and steamer The trade of the interior, which however is not considerable, is carried on by carts Cattle, ponies, sheep and other livestock are generally brought to Assam by road

Foreign trade is carried on with Bhutan, Towang and the tribes of the lower Himalayas TEZPUR, LAKHIMPUR and SADIYA are the centres where rubber is brought by these people for sale who take away cotton, cloth yarn and silk

Rail and River Borne Trade (in 1,000 mds) —**Imports**—Cement (337), coal (2,013), yarn (49), piecegoods, foreign (23), do Indian (170), fruits dried (66), rice (1,894), wheat (14), wheat flour (286) gunny bags and cloth (53), iron and steel bars (1,008), kerosene oil (128), vegetable oils (108), Sesame (79), salt (1,340), sugar (346), gur (239), tobacco (200), timber (136)

Exports:—Coal (42), cotton (92), paddy (219), rice (224), hider raw (55), iron and steel bars (109), lac and shellac (43), oil cakes (115), kerosene oil (1,825), cotton seed (19), linseed (48), rape and mustard (631) sesamum (70) tea (2118), tobacco (18), timber (529)

Transport and Communication:—The trade of Assam is chiefly carried by river but increasing use is being made of the Assam Bengal Railway which connects Chittagong (now a major port) with Sadiya on the Brahmaputra Regular cargo services I G N & R S N Co's exist A B Rly traverses and serves the entire Province

CACHAR DISTRICT.

The district of CACHAR (area 3,855 sq miles, population 570,531 language, Bengali, Manipuri, Cachar, Naga, Kuki, Hindustani and Mikir) is intercepted by hills The Naga hills, Lushai hills, etc, pass through it The chief rivers are the Barok (from Manipur), the Sonai, the Ghagra and the Dhaleswari The alluvial plains of Cachar are being gradually raised by the action of rivers The climate is exceedingly moist which becomes oppressive during winter Annual average rainfall is about 150" Soil of the plains consists of clay and sand The banks of the rivers are higher than those of the surrounding country In North Cachar migratory cultivation is the rule The seeds of crops are grown on the ashes of burnt up trees on the hill sides

The staple food crop is rice, pulses, sugarcane, mustard and linseed are grown Tea is largely grown here There are several saw mills The Manipurias weave cotton and mosquito curtains and manufacture brass vessels Daos and axes are forged by blacksmiths

The chief item of export is tea Timber and bamboos of Cachar are in good demand in Sylhet Principal articles of import are rice, flour, betelnuts, salt, sugar, ghee, kerosene oil, piecegoods, iron and steel The bulk of the trade is with Calcutta but Chittagong is taking a good share Cachar imports TIMBER, RUBBER and FOREST PRODUCTS from Manipur and sends there piecegoods, cotton twist, DRIED FISH, and betelnuts

SILCHAR (population 13,069) is the headquarters of the district which is the chief business centre It is a terminus station of a branch line from Badarpur on the A B Rly and is the centre of tea planta-

You like to prepare chocolate, lozenges, drops, etc. Read MANUFACTURE OF CONFECTIONERY. Industry Book Dept., Cal.

tions in the district The Indian Paper Pulp Co manufacture paper pulp here Here are oil mills also LAKHIMPUR, SONAIMUKH, SIYALKEH and BARKHALA are the other centres of trade Besides these, the tea gardens consume various articles

OTHER TRADE CENTRES.

Among other trade centres of the Province mention may be made of the following —

GAUHATI (population 21,797) —It is situated in the KAMRUP district (area 3,863 sq miles, population 976,746, language, Assamese) and is the largest town in Assam It stands on the bank of the Brahmaputra river and is a railway station on the A B Rly A large number of pilgrims visit the temple of Kamakhya which stands opposing Gauhati Goods are transported on rivers by the I G N and R S N lines Silk cloth is exported and there are a number of insurance companies doing business here The Government Weaving Institute and Sericultural Station are here There is a first grade College

DHUBRI (population 9,435) —It is the headquarters of the GOALPARA district (area 3,953 sq miles, population 882,748, languages, Bengali and Assamese) A terminus on the E B Rly, Dhubri, along with Goalpara town stands on the bank of the Brahmaputra river There is a match factory here There is a bank and a loan company GOALPARA DISTRICT has a good trade in Assam silk cloth (hand woven)

SHILLONG (population 9,844) —It is in the KHASI and JAINTIA HILLS district (population 109,926, languages Khasi, Assamese, etc) and is the present capital of Assam and the headquarters of the Assam Government It exports fruits and hill products and textiles which are its articles of trade There is a hydro electric company here

SYLHET (population 24,435) —Sylhet is famous for oranges which are exported to Calcutta in very large quantities Limestone occurs plentifully in the district and is burnt into lime by several factories at SYLHET town and also at SUNAMGANJ and CHHATAK in the Sylhet district which has an area of 5,413 sq miles and a population of 2,724,432 Sylhet lime is in considerable demand in the Calcutta market and elsewhere as a building material There are a number of banks and loan offices in the town Bengali is the language spoken here

KARIMGANJ (population 5 691) —It is an important trade centre in the Sylhet district There are rice and oil mills here

SIBSAGAR (population 6,601) —It is a big tea centre There are oil mills also The district has an area of 5 003 sq miles and a population of 933 326, and the language spoken is Assamese Sadar Station is JORHAT

DIBRUGARH (population 18,734) —It is a big tea centre Imperial Bank of India has a branch here It is the Sadar Station of the Lakhimpur district which stretches across an area of 4,116 sq miles and is inhabited by a population of 724,582 who speak Assamese It is situated on the bank of the Brahmaputra and is a railway station on the Dibrugarh-Sadiya Rly It is 859 miles from Calcutta

TINSUKIA (population 5,100) —A growing mart There are a number of rice mills here

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MARKET PLACES OF BURMA.

THE Province of Burma has a superficial area of about 237,000 sq. miles and a population of 14,665,618 and constitutes the eastern rampart of the Indian Empire. Its extreme width east to west is about 500 miles and extreme length from north to south is about 1,200 miles. The rivers and mountain range of Burma split it up into natural division. The valleys of the Irrawady, Chindwin and Sitang form a narrow strip of plain land. There is a further stretch of country to the east of the Salwin, bounded by Mekong.

Natural Divisions:—Burma can be divided into four natural divisions according to rainfall and climate; the Upper Burma wet and Upper Burma dry, the Lower Burma littoral and deltaic and Lower Burma sub-deltaic. The wet division of Upper Burma has a rainfall averaging 50″ (Shan States, Chin Hills and the Katha district and others, i.e., portions of the Mandalay and Sagaing-Commissionership). The dry division of Upper Burma is an arid zone and contains the plain lands spotted with small hills. It embraces the districts of Minbu, Magwe, Mandalay, Pakokku, Shwebo, Sagaing, Lower Chindwin, Kyaukse, Meiktila, etc. The former Burmese capitals are generally situated in this portion.

The wet portion of Lower Burma stretches down the entire length of the coast and comprises the whole of Arakan, parts of Tennasserim, Pegu and Irrawady Commissionership. Hill ranges approach the seaface. Pure Burmans are comparatively scarce in this part which is mainly inhabited by Arakanese, Bengalis and Chinese besides Karens, Taunthus, Siamese, Telangs, Salons and Tavoyans in the South.

In the delta proper, i.e., in the district of Bassein, Pyapon, Myaungmya, Maubin, Hanthawaddy and Pegu, the country is generally a dead level and population is relatively dense. Rainfall is not heavy, averaging below 90″. The Burmese element of the population is predominant here over Karens, Telangs, non-Burmans and Indo-Chinese.

The hills of Burma are the Naga and Manipur hills, Arakan Yoma, Pakokku, Chin Hills, Kachan Hills (Ruby mines district), Karen Hills, etc. The rivers flow from north to south and these are the Irrawaddy (with the Taping, the Shwell, the Mu and the Myituge, the Chindwin, the Yaw, the Non and the Man), the Salwin, and the Sittang, all flowing into the Gulf of Martaban. Jhils are common in every district of Burma and there are many beautiful lakes in the Province. Islands are plentiful all down the shores of Burma which can rightly boast of some good natural harbours, to wit, AKYAB, MERGUI and KYAUKYPU.

Climate:—Burma enjoys an enviable position in matters of climate but malarial fevers are gradually becoming prevalent in certain localities. The dry districts are generally the healthiest in the Province. Average annual rainfall varies in the different parts. Upper Burma wet, 70″. Upper Burma dry 37″; Lower Burma littoral, 108″; and Lower Burma sub-deltaic, 62″.

Crops:—Agriculture supports about 66 per cent. of the population. Cultivation is regulated by rainfall than by soil. Rice is grown

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wherever the land is suitable, i e, whether it contains sufficient amount of moisture In the dry zone of Upper Burma, sesamum, jowar, cotton, beans, wheat and gram are grown Lower Burma is suitable only for rice cultivation owing to an abundance of rainfall Rice is however the staple food of Burma (tamunsa) Jowar or millet is the subsidiary crop of Upper Burma dry zone Sesamum is a dry area crop and oil presses of primitive type are common in those areas where sesamum is cultivated Maize is eaten green as a matter of delicacy and the husk is used as a covering for the Burma cheroots, the stalks making an excellent fodder for cattle PEAS and BEANS are grown during the rains and are exported in considerable quantities to Europe for cattle fodder (pegya) Cotton is raised in selected areas of dry zone and is cleaned locally and sent to India and China Tobacco is grown in nurseries solely for local consumption and used for smoking after the curing processes have been gone through Black soil of the dry zone is suitable for wheat and gram Toddy-palm is a feature of the dry zone Other products are chillies, pumpkins, gourds, betel-vines, areca-nuts, sugarcane and onions Plantains (in every village), custard apple (Prome), mangosteen (Tennasserim), pine apples, oranges of good quality (Ahmerst, Shan States), besides tea, coffee, opium, sunn-hemp (Tavoy), etc, are largely grown and available for internal trade A certain amount of interest has been exhibited in sugarcane in 1933 for the increased protective duty on sugar There are several small enterprises in the planting of coconuts in Tenasserim and Arakan

The shipments of mangosteens from Moulmein to London found a ready sale In view of the fact that the Tenasserim Divison is part of a comparatively limited area of the world where the growing of this fruit is a monopoly, it is expected that a ready market also exists of this fruit in the large towns of Europe

Chief crops in Burma are rice cholum, maize, gram, sesamum, groundnut, etc The total area under crops in 1932-33 was 19,111,120 acres Of this 12,727,000 acres was alotted to rice The areas in 1,000 acres under crops in various districts Rice—Pegu (1024), Myaungmya (884), Bassein (837), Hanthawaddy (825), Akyab (692), Thaton (686), Amherst (552) Henzada (571), Insein (532), Pyapon (722), Sheveho (599), Tharrawady (555), Thaton (687) Cholum—Lower Chindwin (146), Myingyan (156), Pakokku (182) Sagaing (58) Maize—Henzada (10), Magwe (46), Minbu (26), Pakokku (41), Yamethin (31) Gram—S Shan States (30) Sagaing (29), Lower Chindwin (46) Sesamum—Lower Chindwin (205), Magwe (271), Meiktila (178), Minbu (84), Myingyan (217), Pakokku (96), Sagaing (179), Shwebo (61), Thayetmyo (72) and Yamethin (143) Groundnut—Lower Chindwin (25), Magwe (127), Myingyin (167), Pakokku (127) Cotton—Lower Chindwin (31), Meiktila (64), Myingyin (73), Sagaing (91), Thayetmyo (34) Fruits and Vegetables—Amherst (50), Bassein (44), Henzada (62), Lower Chindwin (73), Myingyan (89), Pakokku (54), Sagaing (77), Shwebo (76) Condiments—Meiktila (24), Myaukse (10), Sagaing (9)

The areas under important crops in 1933 were Rice, 12,851,000 acres, groundnut 615,000 acres, sesamum, 1,575,000 acres, tobacco 103,000 acres and cotton 419,000 acres Besides these, 594,000 acres are devoted to jowar, 200,000 acres to pulses, 210,000 acres to gram, and 212,000 acres to maize A fair area is reserved for the cultivation of fruits and vegetables, spices and condiments, fodder crops, etc The total area cultivated in the Province during the same period was about 20 million acres

Fisheries:—The fisheries of Burma are imported and river fishing is largely carried on In the extreme south the water of Mergui

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Archipelago affords rich harvest of fish and prawns, mother-of-pearl shells and substitutes, green snails and torches, shark fins and fish maws The industry, which is carried on by the people of Burma, has a booming trade.

Forests:—The forest of Burma are also very valuable economically They occupy an area of 20,557,798 acres and are classified as (1) Ever green—containing littoral, swamp, tropical and hilly, (2) Deciduous, containing open, mixed and dry The mixed deciduous forests yield teak but large areas are not available The forest products are kauyin and thikado in tropical forests, thingan, India rubber tree, oak, pines etc, in evergreen forests The mixed forests contain teak, pyingado, pyinma and the padauk In dry deciduous forests the isha provides the cutch of commerce The exports of teak during 1933-34 amounted to 131,787 c tons valued at Rs 164 lakhs, the exports being intended for Indian ports Teakwood is in large use as sleepers by Indian Railways The minor forest produce is bamboo which is in big demand

Minerals:—Valuable minerals are found in the upper portion of the Province, petroleum in ARAKAN and tin in TAVOY and MERGUI, districts Oil-bearing areas are the dry zones of Upper Burma (Shan States) Gold, rubies, jade, amber and also coal have been found north of the 22nd parallel of latitude Iron is found in the Northern SHAN STATES, in MERGUI and elsewhere, gold in the river beds of Upper and Lower Burma and is obtained by washing sand in Katha and Upper Chindwin MAGOK is the headquarters of the ruby-mining area of Upper Burma and is situated about 60 miles east of the Irrawady The richest oil-bearing tract is the valley of the Irrawady at about 21st latitude Several Europeans work these mines Jade is found in MYITKYINA district of Upper Burma TAVOY and MERGUI districts produce sufficient tin Salt production is a local industry and silver and lead occur in MYELAT district of the Shan States and also in MERGUI archipelago Alabaster, steatite, mica, copper and plumbago are obtainable in the Province in small quantities

Industries.—The outstanding industry of the Province is rice milling Rice mills are spread all over the country, e g, Akyab, Rangoon, Myaungmya, Hanthawaddy, Tharrawaddy, Bassein, Insein, Yamethin, Amherst, Tavoy, Prome, Pyapon, Pegu, Henzada, etc The rice is exported to the Near East in large quantities

Among other industries of growing importance are oil pressing, lac factory, rope making, bricks and tiles making, cotton ginning, soap and chemical making, bone crushing, engineering workshops, match making, glass manufacture, etc, etc

Cotton weaving (most important industry) and silk weaving of various sorts, (the articles being chiefly used by higher class people) are carried on in PROME, MANDALAY, KYAUKSE and TAVOY district Gold and silversmiths and jewellers ply a good business Iron implements of a rough kind are made There are brass and copper works and potteries too Lacquer work (which is durable, light and economical) is common in Myingyu district Mat weaving is a popular industry, rough paper for wrappers and umbrellas is made Carts, boats and footwear are largely made There are several cotton presses, iron works and foundries, many timber mills, ice-works and oil mills, etc, also exist Burma silk is good and uniform but has the great drawback of not being twisted which prevents it from realising a profitable price MANDALAY is still the chief centre for cloth printing There are 8 factories employing over 350 persons These factories turn out about 7000 LONGIS per day. There are also printing factories established in RANGOON, HENZADA, YEGYI in the Bassein District,

For amateur gardening read VEGETABLE AND FRUIT CULTURE, Price As. -/4/-. INDUSTRY BOOK DEPOT, Calcutta.

TAUNGTHA in Myingyan District, and MONYWA. 60,365,801 gallons of dangerous and 168,782,111 gallons of non-dangerous petroleum, 405 tons of tin concentrates, 698·30 tons of wolfram concentrates, 160·00 tons of tin concentrates carrying a little wolfram and 202·10 tons of mixed tin and wolfram concentrates were refined in Burma during 1934.

Factories:—The number of factories in Burma at the end of 1934 was 1007, of whom 950 factories worked during the year. The seasonal factories consist principally of rice mills, of which there are 618 with 41,302 workers, and cotton ginneries, of which there are 33. There are 33 oil mills employing 1,284 hands. Among perennial factories saw mills, of which there are 118 employing 10,079 workers, loom largest. There are one cotton mill and two hosiery and knitted underwear mills. General engineering factories number 20. Printing presses number 19 and most of these are in Rangoon. Petroleum refineries number nine with 7834 workers and lead melting and rolling mills two, with 2994 workers. Besides there were 3 ship-building workshops, 13 ice and aerated water factories, 4 flour mills and 4 match factories employing 2,147 hands.

No new industries were started but it was noticed that many rice mills were erecting new plants or were making extensions for the manufacture of par-boiled rice. 42 new factories were registered and 45 deleted. It is interesting to note that while European factories number only about one-seventh of the total, they employ more than half the total number of workers. Under the new Act, rice mills which were hitherto classed as seasonal will be classed as non-seasonal factories.

Timber:—The major supplies of timber in the province are in Tenasserim but their market both in Rangoon and outside Burma is restricted only by the high freights to Rangoon.

There is in Burma a growing market for furniture in woods other than teak. In point of beauty, teak is surpassed by a dozen or more Burma woods such as **taukkyan (Terminalia tomentosa)** and the two mahoganies, **imma (Chukrasia tabuldaris)** and **kyana (Carapa moluccensis)**. Other possible export furniture woods of Burma are **padauk (Petrocarpus macrocarpus)**, and **thitka (Pentace burmanica)**. Though not an easy timber, Taukkyan has a very attractive colour and figure and is also relatively cheap and plentiful.

Burma's constructional woods, are **gyo (schleichera trijuga)**, **leza (Lagerstroemia tomentosa)**, and **thingadu (Parashorea Stellata)**. Her industrial or special use woods are such as **you (Anogeissus acuminata)**, **binga (Stephegyne diversifolia)** and **yemane (Gmelia arborea)**.

There are 127 saw mills employing 11,000 men. These are located at RANGOON, AMHERST, MANDALAY, MAGWE, TOUNGOO, YAMETHIN. Other places where saw mills are situated are PROME, BASSEIN, MERGUI, PEGU, THARAWADDY, THATON, PAKOKKU, AKYAB, MEIKTILA, NORTHERN SHAN STATES, LOWER CHINDWIN.

Out of 44,736 c. tons of teak wood exported in 1934-35 from India valued at Rs. 93 lakhs. Burma exported 42,457 cubic tons valued at Rs. 89,52,456. Shipments took place mainly to the United Kingdom.

Trade:—The chief centres of trade in the Province are the seaports of RANGOON (Capital), MOULMEIN, AKYAB, BASSEIN, TAVOY, MERGUI, KYAUKPYU, SANDOWAY and VICTORIA POINT. In the interior, the centres of trade are MANDALAY, BHAMO, PAKOKKU, PROME, HENZADA and MYINGYIN. The bulk of the trade of the ports is sea-borne. MANDALAY and BHAMO are the emporium of trade with China. In other place the traffic is partly

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river-borne and partly rail-borne. MOULMEIN sends timber (teak), rice and tobacco, AKYAB and BASSEIN rice, MERGUI fish, shrimp paste, dried prawn, salted fish, etc. TAVOY rice and other articles. RANGOON imports hardware, piecegoods, kerosene oil, salted fish, liquors and sugar. MANDALAY is the headquarters of the tea and jade trade. MYINGYU is concerned with cotton.

The chief items of the export trade of Burma are rice, timber (teak), cutch, hides, petroleum, India rubber, cotton, precious stones, tobacco manufactures, silk manufactures, etc. Paddy and rice form about ⅔ths of the total exports, the Province standing first as an exporter of these articles. The principal articles imported are piecegoods, silk, salted fish, wool, cotton, twist, gunny bags, betelnuts, liquors, tobacco, iron, mill machinery and sugar.

Of the important rice-growing countries Burma alone possesses a large exportable surplus. The total foreign exports of rice from Burma in 1934-35 were 1,399,218 tons and the coasting exports 2,199,679 tons and her share of the total foreign exports of rice from India was 87 per cent. of the whole. Rangoon shipped 74 per cent. of the total exports in 1934-35, Akyab 8 per cent. Bassein 12 per cent., Moulmein 6 per cent. The value of the export trade of rice from Burma in 1934-35 was Rs. 21,14 lakhs.

The chief purchasers of Burma rice are Ceylon, the Straits Settlements, Germany, China, U. K., Sumatra and Cuba. Shipments to India amounted to 2,199,679 tons in 1934-35 as against 1,788,914 tons in the previous year.

Catastrophes in rice-eating countries helped to increase the demand for Burma rice and typhoon and fire and flood helped to account for the increased shipment to Japan and Bengal and Madras.

The total value of all minerals exported from Burma during 1934 was Rs. 19.26 crores. Minerals to the total value of Rs. 14.98 crores were exported to India and the minerals worth about Rs. 4·29 crores were exported to foreign countries. Minerals worth Rs. 77 lakhs were imported into Burma during 1934. The principal minerals exported to India were bar-silver, pig lead, tin blocks and mineral oils of all kinds. The chief minerals exported to foreign countries were jade, bar silver, copper matte, pig lead, lead, tin ore, wolfram ore, zinc concentrates and mineral oil of various kinds. The principal imports into Burma from India were coal and mineral oils while those from foreign countries were diamonds and other previous stones, coal, tin and fuel oil, kerosene oil and lubricating oil. Imports during 1934 included fuel oils to the extent of 12.8 million gallons, kerosene oil million gallons and lubricating oils 540,758 tons.

Transport & Communication:—The railway system runs from Rangoon northwards, parallel to the course of the Irrawady. There are tramways, and two main systems of roads from Rangoon to Prome, one to Toungoo and another to Pegu. Natural waterways and the Irrawady as far as Mandalay are navigable.

Paddy is generally carried down the streams of Burma by big and small boats during season which discharge their cargo to the mills, about 400 in number and mostly situated near the river banks. Some of these mills are quite big and employ as many as 1,600 hands.

There is a bus-traffic for carrying passengers from towns to the interior villages and suburbs. Motor lorries are used now-a-days as a means of communication for carrying goods.

Ports of Burma:—The chief ports of Burma are AKYAB, MOULMEIN, BASSEIN, TAVOY, MERGUI, KYAUKPYU, VICTORIA POINT, SANDOWAY and RANGOON. The following statement

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shows the value of the aggregate sea-borne trade of the whole Province of Burma with foreign countries, with Indian ports and between provincial ports.

	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees)		
Foreign:				
Imports	10,50	10,70	8,57	9,84
Exports	22,94	19,22	17,43	17,42
Coasting:				
Imports	10,75	9,59	9,31	10,61
Exports	21,82	27,07	29,49	33,31
Provincial:				
Imports	1,52	1,89	1,80	1,91
Exports	1,20	1,64	1,55	1,75
TOTAL (inclusive of Treasure and Government Stores)	72,66	73,16	70,52	77,64

Coasting Imports during 1934-35 (in 1,000 mds.) —**Imports**—Animals (164), apparel (184), books (263) boots and shoes (641), bricks and tiles (154), building materials (713), chemicals (178), coal (50,09), coffee (215), coir (889), cordage (271), drugs (423), fish dry unsalted (39 76) Do salted (56), Coconuts (357), other fruits (251), vegetables fresh (848), Do dried (11,47), pulse (923), paddy (189), wheat (870), wheat flour (28,37), other grains (163), gums and resins (50), hardware (10,46), lac stick (59), leather (586), manures (128), matches (771), mats and mattings (216), metals and ores (112), copper (38), iron (30,35), lubricating oil (39), castor oil (84), coconut oil (100) groundnut oil (597), linseed oil (210), mustard oil (352), paints and colours (431), paper and pasteboard (603), butter (412), ghee (12,28) other provisions (15,84), essential seeds (249), copra (96), groundnuts (16,74), mustard (35), sesamum (503), betelnuts (27,31), cardamoms (44), chillies (862), pepper (222), other spices (104), sugar (629), tea (15,03), twist and yarn (52 97) piecegoods grey (30,37), Do bleached (55,23), Do coloured (92,45), Other sorts (16 21), gunny bags (15201) gunny cloth (222), rope and twine (342), silk manufactures (44), woollen manufactures (155), tobacco (22), cigarettes (54,40), umbrellas (86), timber (231), manufactured goods (17,07), total Indian merchandise (943,21), do foreign merchandise (94,05)

Exports (in 1,000 mds.) —Candles (723), drugs (39), cutch (542), fodder (68), vegetables fresh (21,62), gram (319), jowar and bajra (86), pulse (37,03), paddy (100,18), rice (11,96 72), other grains (389), gums and resins (171), hardware (459), cowhides (106), goat skins (226), lac stick (998), matches (24,16), tin (877), other metals (17,29), petroleum (5,73,96), kerosene (9,25,47), lubricating oils (68,87) other kinds (12,26), groundnut oil (126), paints and colours (143), paraffin wax (382), cotton seed (273), sesamum (878), betelnuts (253), chillies (404), molasses (125), tea (434), raw cotton (225), piecegoods printed (145), piecegoods unspecified (187), tobacco (156), tobacco manufactures (1,68), teak (1,81,55), other timber (21,75), chemicals (811), manufactured goods (290), total Indian merchandise (32,87,96), do Foreign (43,55)

RANGOON.

RANGOON is the capital of Burma and headquarters of the Local Government It is situated on both sides of the Rangoon river—some 20 miles from the sea The greater part of the city, that is the town proper, lies along the left or northern bank of the river Behind the array of wharves and warehouses that line the north bank rise the buildings of the mercantile and business quarter Standing on the outskirts the famous Shwe Dagon Pagoda dominates the town, the harbour and the surrounding landscape Rangoon is now the third sea-

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port of British India, and is close on the heels of Bombay Rangoon has the double advantage of easy access from the sea and of a river navigable for 900 miles running into the country behind Practically the whole trade of the Delta is concentrated in Rangoon

It is said that after the three Presidency towns and the cities of Hyderabad and Lucknow, Rangoon is the most populous city in the Indian Empire Its rate of growth is considerable A large portion of the increase in population is due to immigration from India

About five-sixths of the maritime trade of Burma passes through Rangoon And its importance will be realised when it is said that the history of the commercial development of the Province is very little more than a history of the progress of this single port Since Rangoon became an integral part of the British Dominions, its trade has increased by leaps and bounds.

The Port is administered by a Port Trust which supervises the buoying and lighting of the river and provides and maintains wharf and warehouse accommodation Rangoon is the terminus of all the lines of railways in the Province

Rangoon is famous for its carvers in wood and ivory, and for the beauty of its silver work, which mostly takes the shape of embossed bowls Many beautiful specimens of wood carving are to be found in Buddhist shrines

The factories are for the most part concerned with the preparation of the three principal exports—rice, timber and oil There are numerous rice mills, where the paddy brought from the surrounding rural areas is husked and otherwise prepared for the market There are also a number of saw mills The petroleum refinery deals with the produce of the earth oil wells of the dry zone of Upper Burma

During 1934-35 the total tonnage of steamers entering port was 42,97,929 tons or 82,026 tons more than in the previous year Of the 1,609 vessels that entered port, 891 came alongside the wharves and jetties for disembarking passengers

The sea-borne trade of Rangoon amounted to 55,88,139 tons, representing an increase of 5,21,806 tons or approximately ten per cent more than last year River-borne traffic increased from 6,72,558 tons to 7,27,352 tons There was also an increase of 89,000 tons in inward rail traffic but outward cargo dropped by 20,500 tons

During the year 2,27,000 passengers landed in Rangoon as against 2,11,147 in the previous year and 2,04,290 embarked from the Commissioner's wharves as against 2,11,219

Imports, Foreign.

The following tables show the imports and exports of Rangoon during the four years ending 1934-35

	1931-32	1932-33	1933-34	1934-35
		(in lakhs of rupees).		
Cotton manufactures including twist, etc	2 58 44	3 36 74	2,00 68	2,31 40
Machinery and Millwork	1 27 04	64 49	66 25	1,09 48
Metals	71 35	62 97	69 73	77 95
Provisions	86 84	80 25	69 65	76 16
Sugar	34 34	28 99	20 96	16 73
Hardware, etc	25 06	25 95	26 55	31 67
Oils	32 09	35 83	32 51	51 51
Liquors	31 53	27 98	25 64	25 32
Instruments, etc	24 61	19 13	17 51	19 06
Silk	11 71	17 57	13 52	12 70

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	1931-32	1932-33	1933 34	1934-35
		(in lakhs of rupees)		
Wool, Manufactures of	7 86	23 79	15 40	21 66
Soap	19 05	14 28	12 71	7 92
Building Materials, etc	20 10	12 13	10 20	10 24
Paper and Pasteboard	20 90	24 09	21 09	22 52
Motor cars, etc	8 49	7 78	10 20	11 23
Salt	9 30	14 24	6 45	10 40
Tobacco	4 43	2 46	2 48	3 75
Articles imported by post	12 98	12 52	10 66	11 22
Fish, etc	8 81	9 78	10 80	12 52
Earthenware, etc	5 57	11 29	8 13	7 29
Apparel, etc	6 85	10 89	10 20	8 95
Other articles	2 12 72	2 17 64	1 85 57	1 90 96
	10 40 07	10 60 79	8 46 89	9 70 44

Imports, Indian.

	1931 32	1932 33	1933 34	1934 35
		(in lakhs of rupees).		
Jute Manufactures of	1 60 64	1 06 21	1 45 76	1 47 61
Tobacco	72 03	77 79	66 85	48 64
Coal	64 89	52 15	38 16	39 45
Cotton, Manufactures of	1 39 66	1 37 60	1 80 29	2 17 78
Grain and Pulse	60 15	60 39	45 38	49 14
Spices	55 72	42 31	35 22	37 64
Cotton Twist and yarn	60 84	58 75	47 09	50 52
Provisions	32 97	37 06	32 47	34 71
Oils	60 48	33 61	15 39	14 09
Fruits and Vegetables	36 83	34 98	21 57	27 59
Fish	30 91	31 74	30 78	40 10
Seeds	51 68	25 22	10 11	25 11
Metals	29 72	44 24	28 54	33 88
Hardware and Cutlery	14 85	15 08	15 31	16 34
Coir	7 78	7 20	7 26	8 80
Other articles	1 39 55	1 33 33	1 56 60	1 92 68
	10 18 70	8 97 66	8 76 78	10 04 08

Exports, Foreign.

	1931-32	1932 33	1933 34	1934 35
		(in lakhs of rupees)		
Rice, husked and unhusked	14 85 35	11 66 11	8 41 77	8 17 32
Lead, pig	1 73 28	1 47 59	1 51 74	1 55 95
Paraffin wax and candles	1 53 84	1 46 84	2 09 39	1 68 31
Teak wood	54 41	37 92	57 93	86 47
Cotton (raw)	26 42	67 96	1 04 38	78 06
Bran and Pollards	69 83	64 57	42 04	69 63
Grain, Pulse and Flour (excluding rice and paddy)	23 38	20 39	14 65	19 34
Oilcakes	21 25	26 39	23 20	30 21
Rubber, raw	14 71	5 54	13 12	28 46
Hides, raw	12 85	9 91	13 43	11 63
Tobacco	6 82	3 23	2 66	2 86
Lac	1 16	35	53	29
Jadestone	3 52	3 77	1 80	90
Tin ore	24 33	28 58	58 32	70 79

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	1931 32	1932 33	1933 34	1934-35
		(in lakhs of rupees)		
Nickel speiss	7 08	8 34	8 65	12 14
Zinc concentrates	28 15	24 10	33 86	26 18
Copper matte	26 74	24 76	27 32	19 68
Wolfram ore	62 35	51 44	64 40	1 07 35
Other articles	87 63	75 80	65 34	47 35
TOTAL, Indian Produce	22 83 10	19 12 87	17 34 53	17 32 92

Exports, Indian

	1931 32	1932 33	1933 34	1934 35
		(in lakhs of rupees)		
Mineral oils excluding paraffin	8 64 47	14 50 01	14 62 60	15 80 67
Rice, husked and unhusked	9 32 53	7 91 93	10 59 30	12 96 90
Wood and timber	1 06 65	1 78 68	1 82 73	2 03 30
Grain and Pulse (excluding rice and paddy)	44 49	49 30	38 28	45 00
Lac	4 82	1 86	8 70	9 98
Fresh vegetables of all kinds	24 86	33 14	28 61	21 62
Paraffin wax and candles	9 80	11 21	11 93	11 05
Cutch	7 16	5 65	5 57	5 42
Tobacco	3 81	6 79	9 27	3 25
Other articles	71 71	92 65	93 65	1 10 87
TOTAL, Indian Produce	21 30 30	26 21 22	29 00 64	32 87 96

OTHER PORTS

Principal articles traded in at the chief ports of the Province are given below —

MOULMEIN —Foreign Trade Imports include betelnuts, fruits and vegetables, provision and tea, while exports are made up of rice, rice bran, raw rubber, wood and timber and tobacco Coasting Trade Imports include kerosene oil petroleum, fish, copra, gunny bags, sugar and provisions, while exports consist of rice, timber and paddy

AKYAB —Foreign Trade Imports consist of metals and ores, liquors and sugar, while exports consist of rice, paddy, and bran Coasting Trade Imports include gunny bags, tobacco, manufactured tobaccos, cotton yarns, piecegoods, coal, liquor, betelnuts, coconut oil, groundnut, sugar, while exports consist mainly of rice and paddy

BASSEIN —Foreign Trade Imports are insignificant, exports include rice and bran Coasting Trade Imports mainly consist of grain and pulse, provisions, while exports consist of paddy, rice, and mineral oil

TAVOY—Foreign Trade Imports consist of machinery, metals and ores, oils, sugar, jute manufactures while exports consist of rice, tin, wolfram ore Coasting Trade Imports include kerosene oil, petroleum, tobacco unmanufactured, tobacco manufactured, cotton manufactured, carriage, hardware, liquors, provision, candles, groundnut, etc Exports consist of rice, fish, provision, hardware, etc

MERGUI —Foreign Trade Imports include machinery, sugar, provisions, manufactured goods while exports include tin, raw rubber, shells, fish, rice Coasting Trade Imports include rice, petroleum, kerosene oil, tobacco unmanufactured, tobacco manufactured, piecegoods, provision, sugar etc, etc, while exports consist of fish, tin, hardware and dyeing and tanning substances

Trade figures for the chief ports of Burma follow —

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	1930-31	1931-32	1932-33	1933-34	1934-35
Akyab.					
	(in 1,000 rupees).				
Coasting Trade.					
Imports	1,16,00	87,78	1,02,41	88,79	88,69
Exports	1,76,75	1,53,43	1,28,05	1,63,56	1,53,43
Foreign Trade.					
Imports	3,33	1,50	1,47	2,22	1,15
Exports	54,41	27,09	39,38	19,71	19,47
Bassein.					
Coasting Trade.					
Imports	366	485	356	233	272
Exports	1,65,40	1,97,57	1,96,04	2,63,41	2,58,42
Foreign Trade.					
Imports	4	—	—	23	42
Exports	1,66,25	1,23,41	89,47	64,46	51,85
Kyaukpyu.					
Coasting Trade.					
Imports—					
Indian	3,17	1,86	1,84	1,40	1,72
Foreign	3,59	3,09	6,43	3,37	4,00
Exports—	46	20	12	22	59
Mergui.					
Coasting Trade.					
Imports—					
Indian	27,97	11,51	16,22	14,59	16,8g
Foreign	11,00	5,54	10,86	9,83	11,97
Exports—	20,92	16,14	18,12	21,45	24,20
Foreign Trade.					
Imports	3,75	1,54	1,53	1,98	3,36
Exports	21,64	10,47	6,97	18,94	29,57
Moulmein.					
Coasting Trade.					
Imports—					
Indian	22,69	24,03	23,97	23,22	25,66
Foreign	5,24	6,96	8,43	5,47	6,03
Exports—	1,91,46	1,66,96	1,40,59	1,45,15	1,38,47
Foreign Trade.					
Imports	4,82	3,67	3,51	2,36	2,81
Exports	1,30,84	1,24,09	81,62	86,70	76,26
Sandoway.					
Coasting Trade.					
Imports—					
Indian	2,91	2,93	1,38	1,47	2,48
Foreign	2,89	2,36	3,37	2,51	2,78
Exports—	2,07	95	44	1,34	3,62
Tavoy.					
Coasting Trade.					
Imports—					
Indian	31,71	18,28	23,86	22,85	28,42
Foreign	16,25	6,64	11,24	12,99	13,02
Exports—					
Indian	5,10	3,42	6,53	4,66	5,03
Foreign	1,46	1,48	73	63	1,54
Foreign Trade.					
Imports	6,75	3,40	2,60	2,66	5,18
Exports	50,23	40,58	35,69	56,97	78,94

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MARKET PLACES OF THE NORTH-WEST FRONTIER PROVINCE.

THE tract, now called the N.-W. F. Province, originally formed a part of the Punjab, but for protection of India against foreign invasion and administrative reasons it was transferred into a separate province in 1901.

The province forms an oblong territory stretching from north-west to south-west, on the western side of the Indus. The surrounding states are Kashmir, the Punjab, Beluchistan and Afghanistan. In 1932, it was raised to the status of a Governor's province and the Council under the Reforms was inaugurated on April, 20, 1932. About one third of the total area (36,356 sq. miles) is under British possession. It has a population of 2,425,076, mostly of Pathans speaking Pustu. Peshawar is the capital city.

The whole tract is very mountainous; the Hindukush mountains (nearly 16,000 ft.) form the northern boundary. The highest peak is Tirach Mir (25,426 ft.). Principal rivers are the Indus, Kabul, Kurram and Kunhar. Diversified climatic conditions prevail in the province. In the more mountainous parts it is much colder, specially in winter.

Average annual rainfall is scanty and varies from 10" to 43'8" in different parts. River valleys and the district of Peshawar are the only fertile and cultivated parts. Agriculture is the leading occupation of the province.

The principal crops in 1,000 acres for 1933-34 are: Wheat (1,042), rape and mustard (116), barley (13), jowar (86), bajra (191), maize (465), gram (223), cotton (21), sugarcane (49), rice (41), tobacco (6). The districts where different crops grow in plenty are: Rice—Hazara, Peshawar; Wheat—Peshawar, Bannu, Dera Ismail Khan, Hazara, Kohat: Barley—Peshawar, Hazara; Jowar—Dera Ismail Khan, Peshawar; Bajra—Kohat, Dera Ismail Khan: Maize—Hazara, Peshawar; Gram—Bannu; Rapeseed—Dera Ismail Khan, Peshawar; Sugarcane—Peshawar; Cotton—Peshawar. The total area under cultivation in 1933 was 2,673,614 acres.

Large quantities of dried fruits, asafoetida (hing), musk, etc., are carried from this place to distant parts of India. This province has an entrepot trade with Central Asia and Afghanistan. Numerous caravans enter Peshawar through the Khyber Pass from Kabul and Bokhara, bringing raw silk, wool, resin, fruits fresh and dried, gold and silver lace, skins, mats and fibres. They take back cotton piece-goods, silk, sugar, salt, tea, and spices. The chief military outposts are Nowshera, Bannu, Kohat and Chitral.

The country is mainly agricultural, there being only 26 factories in operation in 1923. Of these 21 were perennial and 5 seasonal. The factories are mostly owned and controlled by the Government. These include 3 ice and aerated water factories, 2 gin and press, 5 electrical engineering workshops, 6 forage presses, 5 ordnance factories, 2 electric generating stations, and 1 printing press.

There are four State canals in the district for irrigation. These are Lower Swat Canal (length 22 miles and 172 miles), Kabul River

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Canal (length 65 miles and 13 miles), Upper Swat Canal (length 138 miles and 403 miles) and Paharpur Canal (length 42 miles and 15 miles) The first two have reached the cultivable area commanded by them but there is still room for extension of area, irrigated by the remaining two The Government of the N-W F P has granted Rs 13 lakhs for the extension of the Paharpur Canal to remove the grievances of the agriculturists of the Dera Ismail Khan District

Public Works Department has commenced the construction of a hydro-electric power station on the Upper Swat Canal where it leaves the Benton tunnel near Malakand Fort in the Malakand Agency and flows down a steep nullah bed and pitched channel before entering the plains of the Peshawar District Two power sites about four miles apart exist on this stretch of the canal, which has a minimum flow of 1,250 cubic feet per second At the upper site near Malakand Fort a fall of 250 feet on the turbines can be created at very low cost, and the site when fully developed will be capable of a continuous output of 20,000 k w The lower site near Dargai can also be developed with a fall of 250 feet, from which an additional 20,000 k w is obtainable, but at a greater cost than at the upper site It is therefore possible to develop up to 40,000 k w continuous power on the upper Swat Canal between Malakand and Dargai This is one of the largest and cheapest hydro-electric power sites in India, and as it is situated only 10 miles outside the border of Peshawar district it will play a very important part in the future development of the province

BANNU DISTRICT.

The BANNU district (area 1,698 sq miles, population 270,301 and rainfall 10 8") lies to the south of the Kohat district The district is rich in agricultural produce The chief crops are barley (8,600 acres), gram (130,000 acres), wheat (218 000 acres), maize (36,000 acres), bajra (15 000 acres), fodder (26 000 acres), fruits (6,000 acres)

The chief industries of the district consist of pasturage and agriculture There are several factories for the ginning and pressing of cotton Dyeing, bleaching and printing form another important industry Earthenwares are made, iron goods are turned out by blacksmiths The district is also famous for its boots, shoes and sandals, woollen rugs are also made

The chief exports of the district are cotton, wool, gram, wheat, oilseeds, millets and pulses while the chief imports are sugar, piece-goods, glue, wool, oil, iron and tobacco

Important towns in the district are BANNU (30,539) and LAKHI (7,703)

DERA ISMAIL KHAN DISTRICT.

This district (area 3,471 sq miles population 274,064) is also hilly but a good portion lies in the plains It is covered with shrubs, jungles with secondary trees The climate is much drier than the surrounding districts and is probably extreme The annual rainfalls average about 10 inches There is a small portion of alluvial land called Kachi The staple crops are wheat (187,000 acres) and bajra (123,000 acres), gram 69,000 acres), rape (93,000 acres), jowar (66,000 acres), and barley (6,000 acres), are also grown The district is quite unsuitable for cattle breeding

Coarse cotton cloth is woven in many villages of the district Turned and lacquered woodwork of remarkable excellence are made at DERA ISMAIL KHAN and also at PAHARPUR The commercial importance of the district lies in the fact that it lies entirely on the route of the Khorasan merchants who trade with India The principal

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articles carried through it are silk, charas, gold and silver thread, and fur from Bokhara, wool and fruits from Ghazni and Kandahar, madder, wool, ghee, tobacco from Ghazni. The return trade from India consists of indigo, piecegoods, metals, sugar, salt, shoes, leather.

DERA ISMAIL KHAN (population 40,000) is the headquarters. The chief imports here are piecegoods, hides, salt, sugar and fancy wares. The exports are grain, wool and ghee. Lungi weaving and lacquered ware making are the local industries of the district. It is the destination of the trade through the Gomal Pass.

Other towns in the district are KULACHI (8'425) and TANK (6,421).

DIR, SWAT AND CHITRAL AGENCY.

It occupies the fertile valley of Chitral River. Chitral is the headquarters of the district. Area (4,500 sq. m.), population (35,000). The place is of great strategical importance to the Government of India, as it commands the principal passes over the Hindu Kush.

HAZARA.

The HAZARA district has an area of 3,009 square miles and has a population of 670,117. Rainfall averages 43.8 inches. The important crops in the district are maize, rice, barley and wheat. Turmeric of Abottabad, is well-known for its flavour. Vegetables are grown in the district, the most important of them being potato; pears also grow abundantly in the district. Acreage under crops in 1932-33: Maize 208,000; wheat 134,000; pulses 30,000; barley 31,000; jowar 10,000; rape and mustard 18,000; rice 12,000. Cattle and sheep are raised and buffaloes are reared. Forests abound in the district but the majority of them are conserved by Government.

ABOTTABAD.—It has got a population of 16,165. It is the administrative headquarters. The town has lately been ravaged by fire. The Government of the Province is assisting the Municipal Committee and individuals in rebuilding the town by loans.

The chief industries of the district consist of cotton spinning, sizing and weaving, wool carding, dyeing, boot and shoe making, furniture making, etc. Earthenwares and hardwares are made locally. Precious and semi-precious stones are extracted and collected.

Exports of the district are potatoes, aloes and pears.

The important towns in the district are: HARIPUR (7,653) and MANSHERA (5,780).

KOHAT.

The KOHAT district (area 2,703 sq. miles; population 236,273; rainfall 16.27 inches) is very mountainous with many rivers. Among the chief crops may be mentioned wheat (120,000 acres), gram (21,000 acres), jowar (7,000 acres), bajra (163,000 acres), maize (21,000 acres), etc. Several salt mines are worked here, other minerals obtainable in the district being petroleum and sulphur to a small extent. Stock raising is practised.

The industries of the district include cotton spinning and weaving, carpentry, leather goods making, bricks and tiles, fireworks and oils. Lungis of this place are well-known. Other articles manufactured here are table cloth, phulkaries, and namdas.

The exports of the district are almond, spices, wheat, gram, rice, barley, green salt, mats, baskets etc. The imports are piecegoods, woollen goods, hardware, brassware, general merchandise and kerosene oil.

The headquarters of the district is at KOHAT.

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NORTH AND SOUTH WAZIRISTAN AGENCIES.

Some parts of the district are well-wooded but most of the country is barren and lies fallow.

PESHAWAR DISTRICT.

Average annual rainfall is about 13". The area of the district is 2,637 sq. miles and the population is 9,74,321.

The soil is uniform throughout in spite of the stony surface; light and porous earth predominates on the surface The chief crops grown by wells and tanks are wheat, barley, maize, sugarcane and cotton, apricots, peaches, pomegranate quinces and other fruits are largely grown round the town of Peshawar. About 10 sq. miles are under fruits and vegetables. It contains quarries of slate and marble Area under crops in 1,000 acres in 1932-33 were. Wheat (329), barley (85), jowar (26), maize (174), rape and mustard (20), condiments (6), sugarcane (47), cotton (13), tobacco (8), fodder (74), fruits and vegetables (8), pulses (26), etc.

The district is noted for its turbans whether of silk or of cotton and a great deal of cotton cloth is woven. Afridiwad cloths are now largely woven for the European market Felted mats, saddle cloths, and blankets are also produced, glazed earthenware, leather work and copperware are carried out here There are 2 cotton presses here.

PESHAWAR with a population of 121,866 is the seat of the local government, is a large military station and the chief trade centre. The bulk of Indian trade with Dir, Swat, Chitral, Bajur, Buner and Afghanistan passes through Peshawar. The chief exports are cotton piecegoods, raw cotton, yarn, indigo, turmeric, wheat, leather goods, brass, copper and iron wares, salt, spices, sugar, tea, tobacco, and silver. Trade from and to Kabul and Bokhara passes through it without stopping. A government weaving institute has recently been opened to impart training on handloom weaving, plain and fancy bleaching, dyeing and finishing cotton, wool and silk.

Other important places in the district are MARDAN (26,279), NOWSHERA (29,000), CHARSADDA (11,537), PARANG (10,227), TANGI (8,689) and RISALPUR Cantonment (8,016).

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MARKET PLACES OF THE INDIAN STATES.

THE Indian States in India have an area of 711,032 square miles comprising 755 towns and 187,138 villages with a population of 71,939,187 souls, as compared with India's total area of 1,805,332 sq miles and 2,316 towns and 685,665 villages, with a population of 318,942,480 souls Thus the Indian States occupy more than one-third the area and less than one-fourth villages with a population of more than one-fifth of the whole country The acreage under crops in 1932 33 is —Rice 3,946,000, wheat 6,382,000, barley 895,000, jowar 14,843,000, bajra 7,277,000, ragi 2,927,000, maize 2,075,000, gram 5,104,000, pulses 8,258,000, linseed 602,000, sesamum 1,705,000, rape 378,000, groundnut 1,510,000 castor 1,076,000, condiments and spices 430,000, sugarcane 267,000, cotton 6,490,000, sann hemp 130,000, opium 27,000, tobacco 181,000, fodder crops 3,153,000, fruits and vegetables 754,000, total 73,849,000

ALWAR STATE

The ALWAR STATE (area about 5,000 sq miles, population 749,751) in Rajputana is intercepted by ridges of rocky and precipitous hills The only river is the Sabi The stones, specially quartz, of this State are very valuable There are also copper workings at DARIBA and lead workings on a small scale by the indigenous process at THANA GHAZI

The chief crops are bajra (299 000 acres), gram (179,000 acres), jowar (89,000 acres), barley (71,000 acres), pulses (123,000 acres), rape (58,000 acres), wheat (33,000 acres), sesamum (20,000 acres), condiments and spices (12,000 acres) Grass and bamboos grow abundantly in the State The industries are cotton weaving and dyeing, paper and coarse glass making and cotton pressing

The State exports sugar, rice, salt, wheat, barley, gram, piecegoods, iron, cooking utensils, all of which are carried by railway Valuable lead, copper and other minerals have been found in this State recently and the authorities have invited parties on suitable terms to work the mines. Black, white and pink marble are available

ALWAR CITY (population 60,000) has cotton ginning and pressing factories There is a central jail which manufactures carpets, rugs, pottery and aerated waters Water is brought to the city by canal system

BARODA

The BARODA STATE has a total area of 8 135 2 sq miles and a population of 2,443,007 Hindi is the State language

The crops in 1000 acres are rice (238), wheat (86), cholum (595), cumbu (622), gram (24), pulses (491), sesamum (90), rapeseed (32), castor seed (125), condiments and spices (20), cotton (834), tobacco (37), fodder (69), fruits and vegetables (22), total (3,393) These products are brought to the town by carts and by rail and exported in large quantities

BARODA city is the capital of the State of the same name and contains magnificent palaces and gardens of the Ruler. The handicrafts

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of Baroda worth mention are wood carving, lacquer work, and iron grill work (balcony railings), calico printing for the cheap cotton saris, embroidery with gold and silver The city is fast improving The town is being slowly fitted up with the most modern appliances of trade and manufacture The city is joined by the broad and metre gauge Rlys. with Bombay, with which it has an enormous trade The distance from Bombay to Baroda is about 245 miles The population of the city is about one lakh

New industries are growing in the State, including 14 cotton mills, 1 woollen mill, 3 match factories one each at Petlad, Baroda and Billimoria with a production of 739 777 grosses, a salt factory with a production of 48,553 tons, a cement factory with a production of 57,061 tons in 1933-34

AMRELI —The crops grown are wheat, jowar, bajra, urid, mung math, kulith, tal, bauti, cotton, sugarcane, rice, tobacco and red pepper "Gir" cows of this place are famous and are largely available The industries are weaving of cotton cloth, and iron and silver work There are several ginning and pressing factories Trade centres are KODINAR, DWARAKA DAMNAGAR, and DHARI These places are connected by good roads with railway stations, and goods are carried by carts

OKHA —Okha has been considerably developed during recent years Customs revenue has increased from Rs 3 lakhs in 1924-25 to Rs 18 lakhs in 1933-34 The value of sea-borne and rail borne trade has during this decade remarkably increased more than 5 times from Rs 24 lakhs in 1924-25 to Rs 1 26 crores in 1933-34 Among the manufactures here are cement and salt Negotiations are in progress with the Government of India regarding administration of the port

The number of joint stock companies has increased from 89 with a paid up capital of Rs 34 lakhs in 1924 25 to 108 with a paid up capital of Rs 11 crores in 1933 34 The growth of textile industry in the State has also been striking during the decade The number of looms has increased from 2,090 to 5,474, spindles from 184,878 to 272,264 and persons employed from 6 043 to 13 117 The amount of piece goods produced has increased from 64 lakhs of yards in 1924-25 to 180 lakhs of yards in 1933-34

Cotton weaving, carpet weaving, calico printing durry weaving are done at NAVSARI, GANDEVI, PETLAD, DABHEL, etc, etc

BIKANER STATE

The STATE with an area of about 23,317 square miles and a population of 937,218 is situated in Rajputana The population of the city is over 70 thousand The official languages of the State are English and Hindi, while the bulk of the people speak Marwari

The greater portion of the State consists of sandy tracts or is traversed by undulating sand hills The Ghaggar and the Kathi which flow through the State are dry except during the rains

The chief crops are as in other Rajputana States These include pulses (360,000 acres), bajra (510,000 acres), gram (133,000 acres), jowar (89,000 acres), wheat (64,000 acres), barley (63,000 acres), rape and mustard (62,000 acres) Palana coal is the chief mineral found

BASTER STATE

The BASTER STATE lies in the south-east corners of the Central Provinces with an area of 13,062 sq miles and a population of 522,283 It is the premier Feudatory State in the Central Provinces and in area is the tenth largest State in India The capital JAGDALPUR is on the Indrawati, 184 miles from Raipur and 210 miles from Waltair

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Cultivation is sparse, owing to the geographical position of the State and lack of facilities for communication.

Rice is the important crop; millet, pulses and grams are also grown here. There are several good irrigation tanks in the open country. About 9,000 square miles of the whole area of the State is either jungle or grass land and the jungle products constitute the chief articles of trade and means of livelihood. Sal trees occur here and teak is found in the eastern plateau. Myrobalans, wax, lac, honey, hides and horns, tanning and dyeing barks, tassar, silk cocoons are abundantly available. Mica has been found in several places.

The State has 800 miles of metalled road and the principal routes by road are those leading to Jeypore, to Dhamtari (B. N. Rly.) and to Chanda which are all connected with JAGDALPUR, the capital of the State. The bulk of the trade, however, goes to the DHAMTARI Station.

BHUTAN.

A free State on the border of India, BHUTAN is mostly hilly and is inaccessible except in the southern part. The market of Bhutan continues for about 4 months like melas where the products of the place are sold to foreigners and the local men receive foreign and Indian made articles in return.

The articles of trade in the hat are ivory, rubber, honey, oranges, lac, timber, musk, ghee, wax, blanket, endi and silk cloth, tails of bison, etc. These articles are generally sold cheap on market day and the business is very profitable.

There are also rubber trees and plantations, which are locally known as Bansibat. Owing to the hilly nature of the country grains and seeds cannot be grown largely and so these have to be imported.

BUNDI STATE.

The BUNDI STATE has an area of 2,220 sq. miles and a population of 216,722. It is one of the most ancient and premier first class States in Rajputana. The Court language is Hindi.

The State is traversed by a double line of hills and has four passes. The crops raised during the rains are maize, jowar, mung. Wheat, barley, gram, opium, oil seeds, etc., are grown during the cold season. Cattle, ponies, sheep and goats are available here in considerable number. There is a cotton press at DEOLI.

The chief exports from the State consist of cotton, oil seeds, pulses, opium, hides, gum, wool and ghee and the main articles of import are piecegoods, sugar, rice, salt and metals. NASIRABAD is situated about 90 miles off the capital and the Baran-Ajmer branch runs close to the capital.

BUNDI (population 22,000) is one of the picturesque towns in Rajputana, being surrounded by wooded hills.

CENTRAL INDIA.

The total area of the Central India Political Agency is 51,531·3 sq. miles and the tract is inhabited by a population of 6,615,120. It comprises of States such as Barwani, Bhopal, Indore, Nagoi, Narsinghgarh, Orchha and Rajgarh. The headquarters of the Agency are at INDORE.

There is a marked diversity in physical aspect, climate, scenery, people and dailects in this area which may be conveniently divided into a plateau, a low lying division and hilly tracts. The people of the first two areas are hard-working agriculturists and of a sturdy physical type. The hilly tract lies along the Vindhya and Satpura ranges. The inhabitants are the aborigines, such as the Bhils, Gonds, Korkus (non-Aryans). who practice agricultture to a small extent.

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Central India posesses soil of every class from rich black cotton soil (covering the greater part of Malwa) to the dry stony red earth (met with near Bundelkhand) The principal crops of Central India in 1000 acres are—Rice (88), wheat (1,191), barley (64), cholum (1,014), cumbu (142), maize (141), gram (420), pulses (365), linseed (98), sesamum (233), condiments and spices (17), cotton (681), fodder crops (134), fruits and vegetables (25), total (4,827), arhar, kutki, urid, masui, barley and sunn Betel, ambari tobacco and poppy are also grown All the usual species and vegetables met with in Northern India are grown here The deciduous forests of Central India produce timbers fruits or sap (mohua, khair and al)

Diamond and coal are obtainable here on the Gondwana rocks in the south of the Rewa State (Umaria), copper is found at BARDI and TAGWA in Rewa, lead at BARGOA near Bardi and also in SEONDHA hills in Datia iron throughout the Vindhya rocks near Hirapur in Bijawar State (once a famous centre of iron smelting), near Bawaliha in Indore and manganese in the Gwalior State and in Jhabua

Central India is unusually rich in materials of construction, viz building stone (sandstone of the Vindhyan series) Neemuch and Sutna limestone are exported in considerable quantities Kymore sandstones of Bhopal are of deep, purplish red colour and match with those of Mirzapur and Chunar in quality Corundum is worked in Rewa, asbestos in the Bhopal area and diamond is found in the neighbourhood of Panna Agates and jasper are also found

Central India was once famous for its fine cloths and muslin produced at several places in Malwa Saris and dhotijodas of MAHESWAR have a considerable sale The ordinary country cloth is made in most places The manufacture of Malwa opium has declined There are altogether 14 cotton mills in the Agency, chiefly in Gwalior and Indore These are equipped with 313 572 spindles and 8,339 looms and are progressing well

The chief imports to the Agency are salt, sugar, ghee, kerosene oil, hardware, machinery, piecegoods, arms, oilman's stores and wines The exports are gram, cotton, oil seeds, opium, poppy seed and hides, a certain amount of timber from the eastern part of the State and building stone and Neemuch limestone are also exported

The chief trade centres are LASHKAR (capital of Gwalior), INDORE, MANDASOR, UJJAIN, RATLAM, MHOW, SUTNA, NEEMUCH, BHOPAL SEHORE, MORENA (in Gwalior) and BARWAHA These main centres are fed by district marts which get their supplies from weekly markets Trade is carried by railway and by carts and communication facilities are on the whole better than what existed sometimes ago Pack bullocks are also used

INDORE TOWN —The town has a population of over one lakh, while the Indore State has a total population of 1 318,237 in an area of 9,520 sq miles It is an important commercial town and is the largest centre of trade in Central India being the chief collecting and distributing centre of Southern Malwa It is the capital of the Indore State, and also the headquarters of the Central India Agency The City is 374 miles from Bombay and 401 from Agra, and Mhow Cantonment lies only 13 miles away

Textile industry is now the chief industry in the State There are now 7 cotton mills employing 1825 persons Along with the growth of the industry, the numbers of cotton ginning and pressing factories has gradually increased There are at present 193 flour mills and 21 other small factories such as oil expellers, iron and brass foundries

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metal works, etc. Recently a small sugar factory on the open pan system has been started as a private concern.

The exports from the town comprise grains, tobacco, opium, pepper, cloth, metal vessels and raw cotton. The chief imports are hardware, cloth, stones, machinery, building material, kerosene oil and raw cotton.

REWA STATE (area, 13,000 sq. miles; population, 1,537,445; language, Hindi)—The State contains an area which has a convenient market near to it. Lime and cement factories exist in the Katni district. Coal is mined at SOHAGHUR (194,638 tons) and UMERIA (94,743 tons). BURHAR is situated in the same State and has an annual output of about a lakh of tons of coal. Among the other minerals in the State are limestone (in the vicinity of KHALESWAR, UMARIA, KARKELLY, MAJGAWAN, KARIMATI, AGANBURI), sandstones, kankar, marble, etc. It offers great prospects for manufacturing cement. Iron ore occurs notably in BEOHARI, GOPATBANAS and DEOSAR TEHSILS. Ochres of various colours occur at SEMARIA in Raghurajnagar Tehsil and at BHAROULI in Bandogarh Tehsil. The export duty on certain articles of perfumery, cloth, brassware, blankets, iron ware, etc. manufactured in the State has been abolished.

DHAR STATE (area 1,777 sq miles; population, 243,430; languages, Hindi, Marathi, Nimadi, Malwai)—Cotton weaving is largely practised in towns and villages. Printing of cotton fabrics in various colours is done at several places including DHAR TOWN which is 35 miles west of Mhow Rly. Station. Manufacture of opium is important. Besides the manufacture of agricultural implements, ornamental wood work is turned out at DHAR and GUGRI. Toys are turned and lacquered in bright colours. Tanning, oil pressing, gur making are done. Bidis are made from tendu leaves. The chief imports are rice, salt (from Gujrat and Raslam), groceries (from Bombay, Mhow, Indore), cloths (from Nagpur, Ahmedabad, Madras), silk textiles, lace, etc. (from Poona), hardware, stationery, books, coconuts, piecegoods, etc. The chief exports are wheat, gram, jowar and maize to the neighbouring States and Bombay. Cleaned cotton is exported to Indore and Khandesh, oil seeds to Bombay, opium to Bombay; tobacco to Marwar. The chief centres of trade are DHAR, KUKSHI, and DHARAMPURI and KUKSHI are well-known and attract customers from Khandesh and Bera.

COCHIN STATE.

COCHIN STATE (area, 1,417 sq. miles; population, 1,204,235; languages Kanarese, Tamil and Malayalam) is a first class State in Southern India. Elephantisis is common here along the coasts.

The soil represents the recent deposits of sand and mud. The crops raised are the rice (294,000 acres), cereals and pulses (139,000 acres), plantain and other vegetables, betel-leaf, arecanuts, tapioca, sugarcane, ginger and pepper. Next to rice, coconut growing (167,000 acres), engages the chief attention of the cultivators in the sandy tracts. Coffee is grown on the NELLIAMPATIS.

Forests constitute a valuable asset and contain teak, ebony, blackwood and other trees. The State enjoys the benefit of the S. W. and N. E. monsoons.

Coffee, tea, and rubber are largely cultivated. Teak, rosewood, junglewood and tea saplings are available.

Cotton weaving is carried on at CHITTUR and TALAPILLAI taluks: lace and fine cloths, grass mats of excellent colouring and texture, coir mattings and rugs and ropes are manufactured at ERNAKULAM (capital) and MATTANCHERI. There is a stoneware factory at CHALAKUDI working on a modest scale. Coconut oil extraction

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is the factory industry, about 200,000 tons of oil being produced annually.

The chief exports are coconut oil, yarn, rope, coir fibre and matting, copra, arecanut, ginger, pepper, fish and prawns; and chief imports are rice, cotton, piecegoods, twist, raw cotton, metals, hardware, cutlery and sugar.

Some important towns, and trade centres in the State are CHITTUR (population 22,018), ERNAKULAM, MATTANCHERI, KUNNAMKULAM, NELLIAMPATIS and TRICHUR.

The tramway is the prime means of forest transport. Carting and floating are the other means resorted to.

COOCH BEHAR STATE.

COOCH BEHAR STATE (area, 1,318 sq. miles; population, 590,866; language, Bengali) lies in Bengal.

The staple crop is rice. Other food crops are chani, kaon, maize, mung, masur, khesari, thakari, kulthi, arhar and oil seeds, all of which are extensively cultivated. Tobacco of Cooch-Behar has a high reputation and is sent to Burma for making cheroots. Jute is grown (HALDIBARI and CHAURAHAT are important) and commands high price in Calcutta. Sugarcane is also cultivated.

Rough cloth from silk and endi worms are woven. Excellent gunny cloth is made at MEKLIGANJ, ghee and mustard oil are made in large quantities.

The chief exports are tobacco, jute, rice, mustard seed and oil; and the chief imports are piecegoods, kerosene oil, salt, sugar, molasses, brass, copper and earthenware utensils. The centre of trade is at MEKLIGANJ and LALBAZAR. Some trade exists with Dacca by river. Rice is sent to Duars or to Serajganj by boats. The Tista is navigable and the State is connected with railway (E. B. Rly.)

The area of the capital town of same name is 2½ sq. miles.

CUTCH.

The STATE, with an area of about 7,676 square miles, has a population of 513,829 who speak Cutchi and Gujrati. The soil of the State of Cutch is generally sandy but the major portion contains good arable soil and is therefore easily tilled. Wheat and barley of different qualities are cultivated. Cotton, grains and pulses are also grown, besides many other garden products and vegetables of all varieties. The cost of labour is high in the State. Irrigation is practised over a considerable area but wells are the chief source of irrigation.

Trees in Cutch are limited in number, prominent trees being neem, pipal and babul, which are met with near the villages. Mango trees require great care here.

Among domestic animals mention may be made of camels which are famous for their fitness. The State of Cutch is also famous for its houses.

Among minerals, iron and coal are found, but now, iron is no longer smelted and worked; so also is the case with coal, whose bed is very thin and so cannot be mined. Alum and a coarse variety of saltpetre are also found. Yellowish marble of good quality is also found in the State at KHAVDA.

Trade of Cutch is mostly carried by sea. The chief imports are grain, butter, sugar, groceries, fruit, and timber; and of manufactured articles, iron, brass and copper ware, cloth, furniture, stationery and ivory goods are worth mentioning. The exports from the State consist of alum, cotton, millet, pulse, garlic and silver ware. In addition to the beautiful embroidery and silver work for which Cutch is chiefly

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noted, its manufactures of silk and cotton (cloth) are of some importance

MANDVA —It is the chief port of Cutch Steamers from here sail to Arabia, Maskat, Sind, Kathiawar, Bombay and Malabar

ANJAR (population 20,000)—There is a temple with the image of Jaipal, the brother of the Chauhan Prince of Ajmer, on horseback, and it is said that he build the town

BHUJ (population 27,000)—There are Post Office, Central Jail, Library, School of Art, High School, Hospital and Dispensary The place is chiefly interesting for its archaeological monuments

MANDIR (population 25,000)—This s a port of call of all steamers in the British India line There are two light houses

JAKHAN (population 6,000) carries on a large trade with Bombay exporting grain and importing piecegoods, groceries, timber, sugar, oil and dates It will be a port of some value in the near future

NALIYA (population 7,000) is a most thriving town in Cutch The residents of this place are generally retired merchants who have made their fortune either in Bombay or in Zanzibar and have settled here for the rest of their lives

GWALIOR STATE.

GWALIOR STATE has a total area of 6,430 square miles and is inhabited by 3,523,070 people speaking Malwi, Mundali, Urdu, Hindi, Marathi Gwalior and Marwari It is one of the largest Treaty States having direct political relations with the Government of India

The chief crops are wheat (1,109,000 acres), jowar (1,121,000 acres), gram (748,000 acres), pulses (399 000 acres), bajra (217,000 acres), maize (139,000 acres), barley (75,000 acres), linseed (86,000 acres), sesamum (238,000 acres), rape and mustard (40,000 acres), rice (33,000 acres), sann hemp (8,400 acres) Cotton (445,000 acres) is cultivated on a large scale Barley and sann are also grown

There are a number of cotton ginning and pressing factories Textile mills in the State are four in number The most important place in the State is UJJAIN

HYDERABAD STATE.

HYDERABAD STATE is, properly speaking, an extensive plateau with an average elevation of about 1,500 ft above sea-level The northern and western portions, are inhabited by the Marathas and the Kanarese while the southern portion (the granite country) is inhabited by the Telegu speakers It is an extensive Native State in Southern India with an area of 82,698 sq miles and a population of 14,436 148 The chief city and capital of the State lies on the bank of the river Musi at a distance of 986 miles south-west from Calcutta

The northern portion, the soil of which is black cotton, produces wheat and cotton and the southern portion has many tanks and produces rice generally On the whole the northern part is more fertile and covered with luxuriant vegetation than the southern portion, the land of which is generally sandy The hills or ranges are often covered with forests and timber mostly acacia arabica

The principal minerals found in the State are diamonds, gold and coal Diamond occurs in the Kurnool series of rocks, gold in the Dharwar series and coal in Barakar series in the Godavari-Pranhita-Gondwana system

There are many places of historical and archaeological interest in the State Chief among them are Ellora, Ajanta, Aurangabad, Osmanabad, Golconda, Gulbarga, Warangal, Raichur, Murgal, Parenda and Naldrug.

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The crops of the State in 1000 acres include rice (997), wheat (1301), barley (25), jowar (9,356), bajra (2,544), ragi (534) maize (697), gram (1,231), pulses (3,910), linseed (269), sesamum (601) gram (1 118), castor (838), condiments and spices (50), sugarcane (40), sann hemp (64), tobacco (76) fodder crops (1 645), fruits and vegetables (497) etc Cotton (3,602,000 acres) is extensively cultivated in the black-soil districts as well as in Telugana but the cultivators produce the short-stapled variety generally 40% of the population of the State is directly supported by agriculture Pulses are grown everywhere The total area under crops amounts to about 35,000 square miles Oranges are extensively grown in and around AURANGABAD, OSMANABAD PARBHANI and NIRMAL, mangoes are plentiful, and country and English vegetables are produced during the rainy season Grapes are grown at DOULATBAD In Sirpur, Tandur, Mahbubnagar, Warangal, Elgandal and Indur districts large areas of uncultivated land are still available (in Telugana)

There is an extensive horse mart, and fairs are also held at MALGAON and other places Weekly or monthly cattle and horse fairs are held in every district

The coal measures of (Singareni field) WARANGAL and the gold mines of LINGSUGUR are important Output of coal in 1934 was as follows SASTI 41 880 tons, SINGARENI 527,989 tons and TANDUR 199 767 tons Cotton weaving is carried on in every taluk (Saris, dhotis and khadi) Saris of silk are made at NALGONDA, RAICHUR, MAHBUBNAGAR, LINGSUGUR, AURANGABAD, INDUR ELANGDAL, etc and some of them are of extra fine quality AURANGABAD and PAITHAN are noted for embroidery gold and silver lace work, Khamkhwal (cotton and silk woven together with silver and gold) is obtainable at PAITHAN AURANGABAD and BIJAPUR are famous for brocades of silver and gold on silk

Tassar silk is woven at WARANGAL MATHWADA and HASANPATI, NARAYANPET and KOSGI (Gulbarga Dt) AURANGABAD is noted for silk ware, and bidri ware (finely laid and polished with silver and gold are made at BIDAR town Sword blades and other weapons are made at HYDERABAD WANPARTI, GADWAL, KALHAPUR, JAGDEOPUR, etc Daggers, knives and cutlery of good quality are also made

The manufacturing industry consists of ginning and pressing factories, 272 in number, at AURANGABAD and JALAN, MAZALGAON and PARLI in Bihar, RAICHUR and YADGIR in Raichur, LATUR in Osmanabad, also in Warangal, Indur Parbhani and Nader districts There are six spinning and weaving mills Cotton weaving industry receives active support from the State by means of debenture loans and the State is trying to produce good cotton for local consumption and export purposes The mills are equipped with 1,24,308 spindles and 2 694 looms Besides there are a number of tanneries and flour mills in the Dominions There are State factories for the manufacture of tiles, alcohol, soap, etc

The chief articles of export from the Hyderabad State are food grains, cotton, linseed, sesamum, groundnuts, castor seed, indigo, oils, timber, cotton cloth, yarn, hides, cattle and coal The chief imports are mill-made cloth, yarn, raw silk, salt, refined sugar, dried fruits, betelnuts, horses, cattle, silver and gold, copper, brass, iron, timber, mineral oils, and opium

Besides the places already mentioned the following places are also important commercially, NANDED, HINGOLI, SUDAPUR, KOPAL,

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LATTUR, SERAM, SAHABAD, SADASEOPET, SIDDIPET, KARKHELI, KHAMMAMET and IDLABAD.

The internal trade much exceeds the external trade of Hyderabad. For purposes of export the products of the country are collected at important centres. The imports from the British territory are brought direct by rail or by carts or pack bullocks in the case of inteior districts from such commercial centres as Barsi, Sholapur, Ahmednagar, Kurnool, Adoni, Bellary, Bijapur, Jagayyapeta, Bezwada, Bhadrachalam, Rajahmundry and Chandarpur.

The total trade of the Dominion, increased by 9.26 per cent. from 23.48 crores in 1941 F. to 25 66 crores in 1942 F. The aggregate value of imports decreased by 5.63 per cent. (12.60 crores against 13.36 crores), while that of exports increased by 28.91 per cent. (13.06 crores against 10.13 crores). The exports exceeded the imports by 0.46 crore, while in the preceding year the imports were in excess of the exports by 3.23 crores. Marked decreases were noted in the imports under grain, precious metals, fruits and vegetables, hides and skins, railway plant and rolling stock, machinery and mill work, salt, spices and textiles, while the articles such as drugs and medicines, oils, metals and manufacture, books and stationery, motor cars, motor buses and cycles indicated increases against their corresponding figures in the preceding year.

The most important change in the tariff was the introduction of an import duty on more valuable food grains, viz., rice, wheat, gram and pulses but the cheaper food grains continued to be imported free of duty. In pursuance of the policy of the Government to help local industries, a whole series of raw materials and chemicals were exempted free of duty. Gold prospecting work was conducted during the year and a line of old gold workings was opened at Chick Honkuni, Deodrug Taluk. With the grant of O.S. Rs. 3,000,600 feet of old workings were opened up to water-level, and the existence of further old workings—probably 1,000 feet in length—was proved. A gold assay plant was erected during the latter half of the year and 236 duplicate samples were assayed.

The chief channels of trade are the G. I. P. Rly. (in W. and S.), Madras and East Coast Railway in the south and east; and these are connected with the Nizam's Railway; Hyderabad-Godavari Valley railway goes to Nanmad from the capital.

JAIPUR STATE.

JAIPUR STATE (area, 15,579 sq. miles; population 2,631,775; languages, Hindi and Urdu) is situated in Rajputana. Agricultural conditions vary in different parts of the State and shifting sand is common. The crops grown are bajra, mung, math. etc. Camels are used instead of bullocks in cultivating the land. Jowar, maize, cotton and til are grown round the capital town Wheat, barley, gram, sugarcane, poppy and also rice are cultivated in the east. Acreage under crops in 1932-33 was wheat 80,000; barley 145,000; jowar 126,000.

Woollen cloth and fabrics are woven at MALPURA. Cotton cloth, chintzes, marble, saltpetre, enamel work, pottery, brass and lacquer work are also done. There are several cotton presses.

The exports from the State comprise salt, cotton, ghee, oilseeds, printed cloth, woollen fabrics, marble images, brassware and lacquered bracelets. The imports are piecegoods, sugar, rice, tobacco and hardware. The trade is chiefly, rail borne. From the SHEKHAWATI town the exports are wool, grains, sugar, cloth, spices, tobacco, etc, which are carried by camels.

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The city of JAIPUR is a fine, large and beautiful city in the whole of Rajputana and has a population of about 170,000.

JODHPUR (MARWAR).

JODHPUR (area 34,963 sq. miles; population 2,135,982; languages, Marwari) is the largest Native State in Rajputana. It is 1,330 miles to the west of Calcutta and 592 miles from Bombay.

The crops are bajra, jowar, math, til, maize, cotton; wheat, barley, gram and mustard seed are also grown. Irrigation is mainly from wells, the water being raised sometimes by the Persian wheel. Salt is the principal mineral found in the State but is worked by the British Government, who have obtained a monopoly for raising it, in the Sambhar lake area.

The industries are not important Weaving of coarse cotton cloth as well as woollen clothes are carried on in villages. Dyeing and printing of JODHPUR and GODWAR are famous, where turbans of men and scarfs of women are dyed. Brass and iron utensils are made at JODHPUR and NAGPUR, ivory works are found at PALI and MERTA, lacquer works are found at JODHPUR, NAGPUR and BAGRI, (Sojat), marble toys are made and quarrying is carried on at MARKANA, felt rugs are made in MALLAIN and MERTA, saddles and bridles are made at SOJAT. There is also an ice and aerated water factory and several wool and cotton presses. JODHPUR has a large Railway workshop.

The chief exports are salt, animals, hides, bones, wool, cotton, oil seeds, marble, sandstone and millstone. The chief imports are wheat, barley, maize, gram, rice, sugar, opium, dry fruits, metals, oil, tobacco, timber and piecegoods. Most of the traffic is carried by rail; 80 per cent. of the rest by camels, carts and donkeys.

KASHMIR STATE.

KASHMIR is the biggest State in area and covers about 184,258 square miles with a population of 3,645,339. It is a temperate country and has beautiful uplands drained by Chenab. It has an enormous variety of plants, yielding dyeing and tanning substances and a wide variety of beasts and birds. The capital is at JAMMU.

The lower tracts of the State produce the usual crops of the Punjab, while the highlands grow saffron, buck wheat and mountain barley. The chief crops grown are rice (453,000 acres), wheat (470,000 acres), maize (597,000 acres), bajra (110,000 acres), pulses (239,000 acres), barley (66,000 acres), gram (39,000 acres), linseed (27,000 acres), jowar (30,000 acres), sesamum (25,000 acres), linseed, sesamum, rape and mustard, cotton, saffron, tobacco and hops. Most important crop grown is rice which has infinite varieties. Sheep are largely kept and are a means of supplying warm clothing and manure. Poultry is abundant. Forests are extensive and valuable. Silk rearing is carried on vigorously.

The minerals available are coal, which is yet to reach commercial importance, iron, gypsum, limestone, petroleum, copper, nickel, etc. Some gold is also found.

The industries of the State consist of sericulture, oil making and manufacture of wine and brandy, artistic woodwork, making of woollen cloth, blankets, etc. Kashmir copper and brass ware and paper mache enjoy great popularity on account of their artistic make-up. Calico printing is done at SAMBAR in Jammu. Shawl embroidery and shawl making are the biggest industries of Kashmir. SRINAGAR is noted for silver, copper, wood-carving and lacquer work; and weaving of silk

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cloth has made a very surprising improvement. Kashmir offers commercial possibilities for the manufacture of santonin, essential oils, drugs, turpentine, eucalyptus oil, etc.

Imports into Kashmir are piecegoods, metals, salt, sugar, tea and tobacco in modest qualities. The exports are drugs, dyes, fruits, hides, skins, ghee, linseed, manufactured wool and shawls.

There are three trade routes, one runs to Jammu, the railway terminus, one to the Guzrat district and the third, which is the main line of communication with the Punjab connects SRINAGAR with RAWALPINDI. To some extent, Kashmir is the medium of commercial transaction with China, Tibet, Turkistan, through Leh and India. The Jhelum is navigable to some extent. There are practically no rails excepting that connecting Jammu with the plains.

KATHIAWAR AGENCY.

The Kathiawar Agency has lately developed as a centre of seaborne trade. Its growing trade has affected Indo-British ports to some extent. The preferential duties at the ports of the State has deflected trade from Bombay and Karachi. These are sought to be removed shortly on the ground of undue competition.

Kathiawar ports have several advantages to their credit—Cheap-labour, low port charges, low charges for office maintenance, direct connection through a metre gauge railway to a large hinterland covering Rajputana up to Delhi. The Kathiawar ports are nearer to the capital of India than any other, and they thus have a strategical importance of their own. Every maritime State is anxious to develop her port with a view to increase the revenue to the State, and all sorts of encouragement is given to the merchants trading at the ports.

An agreement has, it is understood, been reached between the Kathiawar Maritime States and the Government of India in regard to goods imported through Kathiawar ports.

According to the reported agreement, Jamnagar, Porbandar, Junagadh and Morvi States have agreed that all customs revenue that accrues from goods sent out of a State's limits will be handed over to the Government of India after deducting Rs 5 lakhs.

A second condition of the agreement is reported to be that all the above mentioned States should put a stop to the practice of allowing rebates to individual merchants and firms. If, however, it is ever found that a certain State has been paying rebates privately, the Government of India, will have the full right to check the Customs accounts of the State as also of all merchants, if necessary, and the State is bound to render all help to the Government of India.

The States, it is reported, have also agreed that they will issue certificates for goods that go out of their limits.

It is further understood that the Customs cordon at Viramgam will be called off if it is found that the States concerned carry out satisfactorily the terms of the Agreement.

As regards Bhavnagar State, it is understood that Bhavnagar being an independent port in British India, the Government of India have agreed to allow the State a sum of Rs. 50 lakhs.

No agreement, it is understood has been arrived at in respect of ports in Cutch State.

BHAVNAGAR STATE:—The State has a population of 499,892 in an area of 2,860 sq. miles. It is a first-class Native State in Kathiawar and is the wealthiest in the province. About half of the area is regar or black cotton soil. There are 13 towns and about 700 villages in the State. The capital of the State is BHAVNAGAR which is the chief town and an important port on the Gulf of Cambay. There is an an-

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chorage eight miles away from the port proper and the goods are moved from the steamers in lighters. The port itself has accommodation for small coasting steamers. The town is the terminus of the Bhavnagar State Rly. MAHUWA, SHORE, BOTAD, and TALAJA are other important towns in the State besides Bhavnagar.

The chief product of Bhavnagar is the Bhavnagar cotton which is of good quality. Grains, salt, etc., are also obtained and there is a good and booming trade in those articles. The chief manufactures of the State consist of making of oil, copper, and brass vessels, and cloth weaving. There are many cotton presses and a spinning and weaving mill. Attempts are being made to open a port here on the sea coast.

DHRANGADHRA STATE:—The State has a population of 88,760. Its area is 1,167 sq. miles exclusive of the area of the Dhrangadhra portion of the Runn. It is a first-class State. The capital town is DHARANGADHRA on the Runn of Cutch.

The soil is not good but produces cotton and grains. The chief manufactures are salt, copper, brass vessels, stone hand-mills, cloth and pottery. There are two ginning factories at work here. Nearest port of the State is Dhollera in the Ahmedabad district.

DHROL STATE (area, 282.7 sq. miles; population, 27,653):—The principal crops of the State consist of sugarcane and grains; and molasses are largely exported. Coarse cotton cloths are woven by handloom to a small extent. It is a second-class State in the Western India State Agency, 32 miles north-west of Rajkot and 23 miles from east of Jamnagar.

GONDAL STATE:—It has a Gujrati-speaking population of 206,166 in an area of 1,024 sq. miles. The products of the State are cotton and woollen fabrics. There are several ginning factories and cotton presses in the State. Toys, wood work, lacquer ware, embroidery, ivory carving are practised. There are oil mills, flour mills, ice factories, iron foundries in the State. Agricultural products include cotton and grains in which the State has an increasing trade.

JAFARABAD STATE:—It is very small in area and has a population of 12,092 only. Jafarabad is a small port but remains closed during the monsoon. The agricultural products of the State comprise cotton and wheat, of which the latter is largely consumed by the people and has, in addition, to be brought from without.

JUNAGADH STATE.—It has a population of 554,889 and contains seven towns and 900 villages. It is a first-class State in the south-western portion of the Kathiawar Peninsula with an area of 3,337 sq. miles. Gujrati and Urdu are spoken here. The State is intercepted by a number of rivers.

Agricultural products consist of cotton, wheat, millet, pulse, oil seeds and sugarcane. The State has a big forest in the Gir district where teak, blackwood, jambu and babul are largely found and preserved. There is an increasing trade in these timbers with the rest of the country. It is here also that stone of good quality for building purpose is obtained and is much sought after. The breed of cattle known as Gir originated from this State and is much in demand throughout India. The chief ports in the State are VERAVEL, NAWABANDAR, SUTRAHARA and MANGROL. There are also 12 other minor ports. The ports are not open throughout the year being closed during the monsoon.

KATHIAWAR is a peninsula and is properly the western portion of the province of Guzrat. The extreme length of Kathiawar is about 200 miles and its area is about 24,000 sq. miles. The State has a popu-

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lation of more than 27 lakhs. There are a few lakes and many big tanks which serve as village reservoirs.

The peninsula is mainly wooded. The mangrove grows on the shores and its wood is used as a fuel. Coconut trees grow rapidly along the shores and the wild date is commonly met with. Excellent mangoes are grown at MAHURO.

The peninsula abounds in minerals of different varieties and is particularly rich in building stones. The principal metallic ore found here is iron. Pearl of good quality but inferior in lustre are found here in the Gulf of Cutch.

The soil of Kathiawar is very fertile and the region is a very wealthy one. The land, though not of extraordinary richness, is generally of fair quality and is amply watered. Cotton exported from the ports of Kathiawar amounts to about one-sixth of the whole of Bombay's exports to foreign countries and large imports of bullion and grain are received by Kathiawar as a part of the price of her cotton. Besides these, cotton cloth, sugar and molasses are largely imported. Wool is also largely exported from this place. The import of grain varies according to season.

There are a few weaving mills and steam presses for treating the main products of the peninsula, namely cotton and wool. Kathiawar crafts are gold and silver thread making, weaving of silk and brocades, etc. Making of fragrant red powders, fragrant oils, perfumed sticks, and powders of rose and other essences form side occupations. Ivory work and carving of sandalwood are also practised here in different districts.

LIMBDI STATE (area 343,96 sq. miles; population, 40,084) :—The local agricultural products are cotton and grains which are extensively cultivated. Coarse cloth is manufactured here to a small extent. The chief town, LIMBDI, is 14 miles south-east of Wadhwan. The State is connected with the Bhavnagar railway.

MORVI STATE (area, 882 sq. miles, population, 112,987) is a first-class State in the Halar Division of Kathiawar. The soil here is not rich and irrigation carried on by wells with Persian wheels and leathern bags. The State has a good trade in agricultural products which comprise grains, sugarcane and cotton. VIVANIA is port in the State, *NAVALAKHI, on the Gulf of Cutch, is the chief port of the State* and has extensive warehousing facilities and the construction of tramways have greatly added to the facilities of internal communication. MORVI, the chief town, is connected with the Kathiawar Rly., system.

NAWANAGAR STATE (area 3,791 sq. miles; population, 408,851). —Lying on the southern shore of the Gulf of Cutch, it is by far the largest State in the Province and maintains direct political relations with the Government of India. But for the Barda Hills which occupy a little over one-third of the State, it is mostly a flat country. JAMNAGAR CITY, the capital of the State, is 51 miles by railway from Rajkot. The State has good harbours, viz., JODIYA, SALAYA and NAYANAGAR, BEDIBUNDER is the chief port of the State with excellent warehousing accommodation and railway connections, offering facilities to merchants for the effective conduct of extensive trade. The port is open at all seasons of the year.

The principal products are grain, cotton, wheat and gram. Wheat is produced here without irrigation. There is a good trade in these crops both inside and outside the State. Marble of different qualities is found in the Kandorana and Bhanwar taluks and there is a growing trade in isinglass and shagreen. The fisheries along the coast are im-

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portant Cloth and silk are the chief manufactures Dyeing is an important occupation

PALITANA STATE—It has a population of 62,150 souls and an area of 288 sq miles The principal crops of the State consist of grains, sugarcane and cotton in which the State has a large and booming trade The State contains a Jain temple of some renown, where pilgrims assemble from far-off parts of the country The chief town is PALITANA, a station on the Bhavnagar State Rly The State is chiefly noted for its pure breed of Kathi horses

PORBANDAR (area about 642¼ sq miles, population 115,741, language Gujrati) It is a first class State in the Sorath Division of Kathiawar The principal crops of the State are jowar, bajra, wheat and cotton and an increasing trade is carried on in those products The principal supply from the sea is fish of many kinds including oysters which are largely found here

A kind of limestone known as Porbandar stone is found here in abundance and exported in large quantities Silk of a very good quality and cotton cloth are manufactured here The State imports large quantities of timber from the Malabar Ports The State also imports cotton from Gondevi The exports of agricultural products from the State go principally to Bombay

PORBANDAR is the chief port and town in the state and is well provided with warehousing accommodation The port is closed during the monsoon

RAJKOT STATE —It has an area of about 290 sq miles with a population of 75,566

The principal crops are grains, sugarcane and cotton which are largely exported Cotton and woollen cloths are also manufactured here to a small extent The principal exports are cotton, yarn, molasses, hides and skins and the principal imports are timber, cotton, silk and ivory

WANKANER (area, 417 sq miles, population, 43,307)—The principal agricultural products are grains, sugarcane and cotton A kind of black marble is obtained and quarried in this State which has a few ginning factories The lines from Morvi, Wadhwan and Rajkot meet at Wankaner, and seven miles from it lies the well-known shrine of God Manadev known as Jadeswar

The foreign trade of Kathiawar is of growing importance Figures for the last 3 years follow —

	1932 33	1933 34	1934 35
Imports:—		(in 1,000 rupees).	
Cotton raw	1 43 25	1 14 25	1 14 22
Sugar	76 53	75 11	96 58
Cotton manufacture	13 77	19 08	62 70
Metals and ores	63 08	78 10	87 04
Machinery	21 12	24 61	16 84
Chemicals	12 87	15 35	16 03
Oils	2 67	11 39	13 21
Paper and pasteboard	6 87	6 58	10 74
Vehicles	8 89	7 84	10 71
Fruits and Vegetables	12 62	5 64	10 25
Artificial Silk	2 52	7 17	9 22
Hardware	5 64	6 59	7 57
Starch	4 60	5 23	6 73
Instrument	5 24	6 61	6 24
	4 13 57	4 17 80	5 19 10

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	1932-33	1933-34	1934-35
Exports:—		(in 1,000 rupees).	
Cotton raw	34,29	1,71,33	57,80
Seeds	20,19	38,86	43,32
Groundnut cake	12,14	15,13	22,61
Wool raw	6,51	13,80	15,35
Ghee	4,21	3,41	4,44
All other articles	3,57	3,96	5,73
	80,91	2,46,49	1,49,25

The chief states participating in this trade are Bhavnagar, Nawanagar, Morvi, BARODA, Porbandar, Junagad, Jafarabad. In the importing side Bhavnagar was responsible for 56.96 per cent of the total value of the imports, Nawanagar took 13.88 per cent., Morvi 8.77 per cent., Baroda 8.33 per cent, Porbandar 7.82 per cent., Junagad 3.82 per cent. and Jafarabad 0.48 per cent. As regards exports Bhavnagar was responsible for 38.4 per cent, Nawanagar 29.3 per cent, Junagad 27.5 per cent, Porbandar 3.2 per cent and Baroda 1.6 per cent.

This question of divergence of Bombay's trade to Kathiawar Ports has been engaging the Government's attention for some years now; its bearing on the All-India Federation only served to accentuate a problem that divergence of trade from Bombay to Kathiawar ports had already made manifest. The view taken by the Government of India in 1917, was that the States were only entitled to collect customs on goods consumed in their territory, not on transit goods: and this view has been endorsed by the Davidson Committee report. The States concerned however have consistently refused to take such a view, since they are not prepared to sacrifice the substantial sometimes necessary revenue accuring to them from customs dues collected on goods in transit.

At the Mount Abu conference the Government suggested taking over the customs, imposing a uniform All-India system, and compensating the States with a fixed annual grant. This suggestion was not accepted and the Viramgam Line, which had been abolished in 1917, was re-imposed in 1927 after the Mount Abu conference's failure. The Viramgam Line is an inland customs barrier between Kathiawar States and British India, and was intended to provide a means whereby the Government could correct any tendency for States to attract shipping to their ports by reducing customs dues. In fact, it did not altogether achieve its object: although the States will not admit as much, the general (not the official) opinion is that by, for instance, giving customs rebates and lowering port charges, Kathiawar ports have managed despite the Line to offer substantial advantages over Bombay and, therefore to attract shipping.

Only with Jamnagar has a customs agreement definitely been reached. This State, owing to the fact that certain specific promises had been made, was able to insist on arbitration and by the terms of the arbitral award, is to collect its own customs on transit goods at British India rates up to a maximum of Rs. 5 lakhs. Customs dues collected over and above the Rs. 5 lakhs limit will accrue to the Government of India. Thus, the State's finances will not be thrown out of gear by any sudden loss of customs revenue, there will be no question of the customs service being taken out of the State's hands (all the States are determinedly opposed to anything of the sort on the ground that it would constitute interference in their internal affairs) and no motive will exist for attracting shipping, whether by rebates or artificially low port dues more than will realize Rs. 5 lakhs of customs revenue. The

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amount of customs dues on transit goods will be checked at the Viramgam Line The arrangement represents a workable compromise between the view taken by the Davidson Committee report and that taken by the various State Governments concerned and may, therefore, be assumed to be the type of agreement likely to be reached with other Kathiawar States If this is no, the Viramgam Line will have to continue in being even after the establishment of an all-India Federation

MADRAS STATES.

Important States under the Madras Agency States are Travancore and Cochin which are separately dealt with under Market Places of Indian States Other States are —

PUDUKOTTAH—The State is almost agricultural Only cottage industries are handloom weaving in silk and cotton, dyeing, wool-spinning, metal industry, pottery, brick and tile making Principal articles of import are salt paddy, piecegoods, hardware, timber, calicut tiles, petrol and kerosene oil the principal articles of export are granite stones, avaram bark and groundnut Population 4 lakhs

BANGANAPALLE STATE is noted for its silk and lace industries and carpet making There are several well equipped weaving factories in the State manufacturing Turkish and honey-comb towels, carpets, etc Population 40 000

SANDUR—The soil is well adapted for the cultivation of European vegetables There are rich deposits of manganese ore in the State

MANIPUR STATE

MANIPUR STATE (area 8,456 sq miles, population 3 lakhs) lies on the border of Assam The state consists of a great tract of hilly country The chief agricultural products grown are rice, mustard, sugarcane, pulses, tobacco, fruits and vegetables Pottery, agricultural implements, brass and metal vessels cane baskets and mats, shoes, belts, leather goods etc are manufactured

MYSORE STATE

The MYSORE STATE, with a population of 6,557,871, is situated in Madras Its general elevation rises from about 2,000 ft to about 3,000 ft above sea level and generally consists of an undulating table-land, much broken up by chains of rocky hills Kanarese, Tamil, Telugu, Hindustani and Marathi are the languages of the State

The State includes eight districts of which Bangalore (3,079 sq miles) and Mysore (5,492 sq miles) are important BANGALORE CITY is the headquarters of the Mysore Government It has an area of 11 sq miles and is about 216 miles by rail from Madras

The staple grains are ragi or marua (2,311,000 acres), jowar (666,000 acres), rice (770,000 acres), gram (824,000 acres), pulses (838,000 acres), castor (107,000 acres), groundnut (284,000 acres), condiments and spices 188,000 acres), bajra (91,000 acres), sesamum (82 000 acres), sugarcane, tea, drugs, etc Cotton (91,000 acres), and sunn-hemp are the chief fibres and chilli, capsicum, ginger, coriander, cumin seeds are the spices Tobacco, mustard, onion and garlic are also grown Coffee (103,000 acres) is grown on the slopes of the Western ghat Fruit and vegetable (54,000 acres) productions receive special attention near about BANGALORE Apples, strawberries, peas, potatoes, cauliflowers, mango, arecanut, coconut (163,000 acres), and plantain are grown Arecanuts of NAGAR are famous There is a horticultural garden at LALBAGH and at BANGALORE and there is an exotic fruit garden at NANDIDROOG Very little cultivation is carried on in the Mysore

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Hills other than rice, coffee, cardamoms, pepper, arecanut and betel-leaf where rainfall is heavy

Sheep and goats are kept The sources of irrigation are channels from dams and rivers The reserved forests of Mysore produce sandal-wood, teak, poon, blackwood lac or jalari, nandi, wild jack, etc Minor forest products are gallnuts tannin bark, tangadi, and lac Soapnuts, gum, honey, beeswax are also obtainable Elephants are employed for dragging timber from inaccessible parts of the forests Fuels are also obtained from these forests Gold is the only mineral raised from the Kolar Gold fields All the gold produced is despatched to England Iron is smelted in several places of the State

Cotton weaving is carried on and there are schools for imparting instruction at HOLE NARSIPUR, DOD-BALLAPUR, CHIKNAYA-KANHALLI, MOLAKAL MURU Good silk fabrics are made at PAT-VEGARS and KHATTIARS in Bangalore and at MOLKALMURU Sericulture is extensively carried on at CLOSEPET, KANKANHALLI, MAGADI, CHIKBALLAPUR, TIRUMAKUDAR-NARSIPUR and BANGALORE are the centres of silk trade The total amount of silk produced in the Govt's Silk filature amounted to 5,930 lbs The carpets of BANGALORE are well-known Gold (circular or of other shapes) and silver ornaments are made

Principal places of iron smelting are MAGADI, MALAVALLI, CHIKNAYAKANHALLI, HEGGADADEVANKOT, ARSIKERE and TALURKAS in Chitaldroog district Steel wire is drawn at CHAU-NAPATNA Brass and copper vessels are made at SRAVANA BEL-GOLA and SITAKAL, bell-metal articles are made at HASSAN and TUMKUR district, SORAB in Shimoga district is famous for orna-mental sandal wood carving There are coffee works at BANGALORE and HUNSUR, which also possess saw mills There is a spinning and weaving mill at BANGALORE Rice and flour mills also exist Soap and sandal wood oil are manufactured

Mysore is rich in minerals The five gold mining companies on the Kolar Gold Field produced 334 307 oz of gold valued at Rs 2,66 lakhs during 1932 33 as against 329 716 oz valued at Rs 237 lakhs, du ring 1931-32 A gold mine is said to exist near Nangairgud The output of magnesite during 1932-33 was 1,835 tons, chromite was obtained to the extent of 6450 tons, Kaolin 2534 tons, Kyanite, stanrolite, and garnet 2 tons, green quartzite 6 tons, soapstone 161,5 tons Chromite has also been traced near Devanur in the Kadur Taluk Galena and antimony ores occur near Chitaldrug, kaolin near Kolar and graphite in the Bowringpet taluk Iron ore is obtained in abundance near the Kem-mangundi Hills and forms the chief raw material of Mysore Iron Works at Bhadravati which manufactured 15,557 tons of pig iron during 1931

The chief exports from Mysore are gold, grains and pulses, betel leaf, arecanut, raw silk, sugar, jaggery, coffee, coconuts (dried kernels) The important imports are grains and pulses, iron and steel articles, raw silk, piecegoods, tobacco, cotton and thread The State has many internal markets where weekly purchases are made and foreign articles are sold

83,000 persons were employed in handloom weaving, there being 40,000 looms in all, 80,000 of which were for cotton and silk and 10,000 for woollen fabrics The sugar factory has been extended and its crushing capacity has been raised to 1,400 tons a day

The new distillery plant with a capacity of 1,500 gallons per day, was erected at Mandya and commenced operations in April last The plant is capable of producing rectified spirits of the requisite strength

THICK TYPE INSERTIONS IN THESE PAGES ARE PROFIT MAKING—SURELY.

for power alcohol, and is also capable, with certain additions, of producing absolute alcohol.

Experiments are in progress to find out the commercial possibility of the use of power alcohol on lorries and buses

Of the minor industries, the Soap Factory continues to make very good progress and is increasing its sales The manufacture of drugs and medicines has now been placed under the same control and the production is steadily increasing The Porcelain Factory likewise continues to prosper, and in addition to the utility articles which it has hitherto been making, has recently been developing the manufacture of some very attractive articles of an ornamental nature The Government have transferred the kerb-stone industry to private agency after selling 14,000 tons of these stones for 4½ lakhs of rupees

To turn now to the new proposals, Government are interesting themselves in the manufacture of electrical fittings, which is being conducted in the old distillery buildings, and the progress made so far is extremely promising The Electrical Department is now in a position to manufacture transformers and other appliances The Board of Industries has under active consideration schemes for the manufacture of cement, paper, ammonium sulphate and sulphuric acid An important coffee curing station has now been established in Mysore City and proposal for the establishment of a similar station at Chikmagalur is under consideration

The Department of Industries has recently constructed eight barns at Whitefield, where trials are being made with the curing of tobacco grown on 300 acres in the surrounding villages, and the results obtained are very encouraging The next step is to grade and market the produce The Department has undertaken this work until such time as private enterprise comes forward and takes it over The idea underlying the scheme is that the buying of the green leaf from the grower the curing, grading, and marketing of the produce should be in the hands of persons who have a stake in the business, are well acquainted with the markets, and are in a position to develop the scheme to its fullest extent

The silk industry continued to suffer from the increasing competition of foreign silk in the Indian market In spite of the protective duties levied by the Government of India in March 1934, the imports of silk continued to increase, while there was a further reduction in the prices of all kinds of silk and silk goods The slump is reflected in the large shrinkage in the area under mulberry, which has fallen from 50,000 to 30,000 acres during the past five years

Meanwhile, the existing plant for the manufacture of fine quality silk goods is in full operation and sold last year goods to the value of Rs 1,08,200

The demand for the products of the Iron Works continued to be poor during the year and the different sections of the plant had, therefore, to be operated on a restricted scale

There was little improvement in the sale of pig iron and pipes or in the prices realised There was, however, a small increase in the local demand for some of the by-products

The construction of the power line to the Iron Works has been completed, and power will be supplied from next month The construction of the steel plant is making rapid progress

The Sandal Oil Factory at Mysore worked throughout the year and the arrangements for the distillation of sandalwood at Kanauj and in America were also continued, though the former have since been brought to a close The results of the year compare favourably with

THICK TYPE INSERTIONS IN THESE PAGES ARE PROFIT MAKING—SURELY.

those of the preceding year There was an increase in the quantity of oil sold, although the prices had to be reduced to meet the keen competition in the market

MYSORE CITY is the dynastic capital of the Mysore State and residence of the Maharaja It is also the headquarters of the district of the same name Mysore is a place of great antiquity.

Cotton cloth, blankets, brass utensils, earthenware, and jaggery (both cane and date) are the principal manufactures There is also some silk weaving works The sandal wood oil of Mysore has gained an international reputation and Mysore is famous for its ornamental sandal wood carving which is done by a class called Gudigar

Grain is diverted to the west coast, Nilgiris and Coimbatore There is also a considerable trade with Bangalore and Madras Many of the traders are Mahomedans while the bigger merchants are of Kunchigar caste

BANGALORE —Coffee is peeled, sized and sorted in a coffee work at Bangalore in order to prepare the stuff for the European market Artificial manures for coffee plantation is also produced at the factory Other factories working in Bangalore are sugar factory, brick and tile factory, iron foundry, silk farm, etc Oil mills are also at work in Bangalore Tanneries on a considerable scale are managed by Mahomedans and hides and skins are prepared for export purpose There are also cotton and woollen mills which spin and weave cotton and wool and produce fine stuff

The carpets of Bangalore are well-known for their durable quality, and for having the same pattern on both sides It is said that Bangalore carpets are unapproachable by the commercial carpets of any time and place Silk fabrics of stout texture and excellent design are made in Bangalore where sericulture is carried on a large scale Indeed, Bangalore is the centre of the silk trade in the south of India

The S M Ry runs through the middle of the State a branch going south west from Bangalore to Mysore

NEPAL

NEPAL (area, about 56,000 sq miles, population, about 55,80,000, languages, Nepali, Kiranti and Lama Gurung) It is an independent State The chief crops are rice, wheat, maize, marua, barley, oats, oil seeds, capsicum, red-pepper (delicate flavour), potatoes, mustard, buck-wheat, garlic, radishes, sugarcane, ginger and turmeric

Buffaloes, sheep and goats are imported, ducks and fowls are plentiful Forests of Nepal are important and the timbers available are sal and sisu Cedrela, adina, schleichera and eugenia are also found and are of great economic value

Coarse cotton cloth and woollen blanket weaving are the chief industries and mechanics skilled in gold, silver, brass and wood work (carving) are seen here

The principal imports from Tibet are pashmina (shawl wool), coarse woollen cloth, salt, borax, musk, yak-tails, yellow arsenic, quicksilver, gold-dust, antimony, madder, charas, medicinal drugs, dried fruits, etc Exports to Tibet include copper, bell-metal and iron utensils, piece-goods, hardware, spices, tobacco, coconut and betel leaf

The centres of trade with India are BIRGANJ, NEPALGANJ, BUTWAL, HANUMANNAGAR, DHULABURI and the traffic is carried on by carts generally and also by Bhutias (coolies)

Exports from Nepal into India are rice, food grains, mustard, rape, pomes, cattle, sheep, goats, hides, skins, ghee, timber, cardamoms, red pepper, turmeric, musk, borax, madder, turpentine, catechu, chireta,

MANUFACTURE TOBACCO, SNUFF, SURTI, ZARDA, etc., Read "Indian Tobacco & Its Preparations" Re. 1-8 Industry Book Dept. Cal.

oilseeds etc Imports to Nepal from India are cotton goods and yarn, woollen cloth, flannel, silk, shawl, salt, spices, sheet, copper, metals, tobacco, petroleum, sugar and provisions, indigo and other dyes Trade from India to Nepal is worth about Rs 150 lakhs Trade from Nepal to India is worth about Rs 261 lakhs Some are State monopolies, others are duty free Communication is by railways.

TRAVANCORE STATE

TRAVANCORE-STATE (area, 7624 sq miles, population 5,095,973, languages, Malayalam and Tamil) is the most beautiful in the southern area and has the densest population in India The principal crops grown are rice (677,000 acres), coconut (537,000 acres) palm, pepper, arecanut, jack-fruit, tapioca, ginger, and cardamoms. Coffee and tea (74,000 acres) are grown on the hills Rubber is grown on 48,800 acres

Cotton weaving and marketing of mats from coir are the chief industries There are several coir mat making factories in the State

Tea, coffee, rubber, etc, are produced Bricks and tiles are manufactured There are also factories for the manufacture of paper, matches, oil, rice, etc Exports are the products of the coconut tree, (copra, coir, fibre, oil and nuts), pepper, tea, jaggery, arecanuts, dry ginger, salted fish, timber, hides, tamarind and coffee The chief imports are tobacco, rice, piecegoods, cotton and thread

The Travancore Government's Budget for 1935 36 has made provision for the working of the new rubber factory in Trivandrum, for a clay refining and porcelain factory and for experiment connected with the manufacture of paper The rubber factory buildings at Chackai, Trivandrum, have been completed and the machinery required, purchased and erected The factory is likely to begin work shortly

As a result of the investigations conducted by Government in consultation with ceramic experts, it has been disclosed that there are large areas of land in the Quilon Division, particularly the places adjoining the Kanjirode lake and extensive areas in the Perinad Pakuthy, Quilon Taluq, containing large deposits of pure and first class China clay, suitable for the manufacture of high class porcelain

In view of the possibilities of using the by-products in the process of refining clay, for the ceramic industry and of the two industries, viz, clay refining and porcelain works being interdependent, the two industries are proposed to be started simultaneously

The porcelain manufactured will, besides satisfying the local needs, be able to meet the demands of the Pallivasal hydro electric works and the drainage scheme

A paper mill has been opened at Alwaye or Thattakad by utilising the Eatta available in the forest areas between Pallivasal and Neriamangalam The Titaghur Paper Mills of Calcutta have proposed the opening of a pulp and paper factory at Alwaye, subject to the condition of the Eatta available in the State being found satisfactory, on being tested in their laboratory at Calcutta

The number of joint stock companies registered in Travancore during the year 1934-35 was 20 as against 286 in the previous year Of the companies registered during the year 16 are limited by shares and 4 by guarantee The authorised capital of the newly registered companies amounted to Rs 17,48,100 as against Rs 70,51,000 in 1933-34 641 companies were working at the close of the year 1934-35 as against 924 companies at the end of 1933-34 The Registrar of Joint Stock Companies inspected 189 companies as against 206 companies in the previous year It is no matter of satisfaction that only 26 out of the 509 provident insurance companies which existed at the end of 1933-34

MANUFACTURE TOBACCO, SNUFF, SURTI, ZARDA, etc., Read "Indian Tobacco & Its Preparations" Re 1-8, Industry Book Dept. Cal.

made the full initial security deposit of Rs. 5,000 as required by section 4 of the Provident Insurance Societies Regulation III of 1933-34 and that out of these 26, two went into liquidation during the year Only ten have been, so far, registered under the new Regulation

Trade is mainly sea-borne but rail-borne traffic also exists

The total value of the foreign sea-borne trade of Travancore ports of which most important are Alleppey and Quilon

ALLEPPEY —The chief articles of export are coir manufactures (Rs 81 43 lakhs), pepper (Rs 8 75 lakhs), raw rubber (Rs 0 95 lakhs), tea (Rs 7 00 lakhs), cashew kernels (Rs 9 15 lakhs), dry ginger (chiefly to U S A and Australia) (Rs 3 09 lakhs) and turmeric (Rs 0 44 lakhs) The imports are metals, unmanufactured tobacco, cotton piecegoods, etc Coir trade is done with U K and U S A, pepper with U S A, and rubber with Ceylon Among the minor exports of the place important are cashewnut kernels, dry ginger, fish and turmeric

The chief consumers of coir manufactures were United Kingdom (48 23 lakhs), Australia (5 50 lakhs), U S A (8 89 lakhs), Germany (5 06 lakhs, Belgium (1 16 lakhs) Netherlands (3 70 lakhs), Italy (1 93 lakhs)

QUILON —The principal article of import is unmanufactured tobacco (from Ceylon) The chief exports are tiles (to Ceylon) and canoes made of wood and timber

COLACHEL —The exports are ilmenite sand and monazite sand to U S A, United Kingdom and France

Other centres of trade are KOTTAR, KAYANKULAM, CHAUGANACHI and TRIVANDRUM

UDAIPUR STATE

UDAIPUR STATE in Rajputana has a total area of 1,052 square miles, and a population of 97,730 It is under the Political Agent in Central Provinces Feudatories and is attached to the Rajpur district

The principal crops in autumn are maize, jowar, til, cotton and sugarcane, while in the cold season the important staples are wheat, barley, gram and poppy Irrigation is mainly from wells of which there are several thousands

Among the minerals, lead, zinc and iron are found in the State but are not worked White marble is available at RAJNAGAR and black marble near CHITOR Sandstones occur near DHEBAR

The chief products of manufacture in the State are swords draggers, embroidery, ivory, tin utensils, stone toys, earthen jars, wooden bangles and cotton cloth printed in gold and silver

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LIST OF FAIRS.

A very large number of fairs is held every year in different parts of India. Some of these are agricultural while others are of industrial types or in the nature of cattle shows. The following compiles a list which is none too exhaustive.

English months corresponding to the Indian, months mentioned in the list below follow; Baisakh—April-May; Jaistha—May-June; Ashar—June-July; Sravan—July-August; Bhadra—August-Sept.; Aswin—Sept.-Oct.; Kartik—Oct.-Nov.; Agrahayan—Nov.-Dec.; Pous—Dec.-Jan.; Magh—Jan.-Feb.; Falgun—Feb.-March; Chaitra—March-April.

ASSAM.

Chandbhanga, 4 Miles from Shaistaganj, Station (A. B. Ry.), First week of January.

Fatepur, 1 mile from Shahji Bazar (A B. Ry.). Middle of December.

Kamrup, Ambubachi, Ashar. (Religious).

Tirhut, Assam. January. (Flower & Vegetable).

Madhabpur, 7 miles from Itakhala Railway Station (A. B. Ry.). First week of December. Rice, Cloth, Shoes, Wooden furniture, Varieties Brass, Pottery shops, Iron made articles for domestic purpose and earthen toy goods, etc.

Murakari, 8 miles from Chatiyain Station (A. B. Ry). Last week of December

Siddheswar, Katigora Pargana, Baruni Mela, on the Baruni day in March, Agricultural, Industrial and Cattle Fair, 15 days.

BENGAL.

Kalaskati, Backergunj Dt. (Cattle)

Kalisuri, Backergunj Dt. (Cattle).

Lakshmana, Backergunj Dt. (Cattle).

Sugandha, Barisal. Shivaratri & puja Mela. Month of Kartik.

Kenduli, Beerbhum. January. (Religious).

Muraroi Bazar, Muraroi, Birbhum. Syam Sundar Mela. Month of Magh.

Jajigram, Muraroi, Birbhum. Kalipuja Mela. Month of Kartik.

Chatra, Muraroi, Birbhum. Gonesh Janani Mela. Month of Falgoon.

Mitrapur, Muraroi, Birbhum. Sham Chand Mela. Month of Magh.

Akalipur, Nalhati, Birbhum. Troiyo-doshi Mela. 13th day of moon of Aswin Continues for 7 days.

Bhunkeshwari (2 miles to the west of Rampurhat Town), Rampurhat, Birbhum. Bhunkeswari Mela 1st Magh.

Udoypur, Rampurhat, Birbhum. Kalipuja Mela. Month of Kartik.

Ayash, Rampurhat, Birbhum. End of Magh.

Kuluba, Rampurhat, Birbhum. Month of Baisak.

Jobar, Rampurhat, Birbhum. Jugiddah Mela. Month of Chaitra.

Gopalpur, Rampurhat, Birbhum. End of Magh.

Chandpara, Rampurhat, Birbhum. Month of Choitra.

Margram, Rampurhat, Birbhum. 11th Poush.

Tarapur, Rampurhat, Birbhum. Chaturdashi Mela. Month of Aswin & Kartik. (After the Durga Puja).

Sandhyajole, Rampurhat, Birbhum. Month of Falgun.

Mahapara, Rampurhat, Birbhum. Month of Agrahayan.

Goria, Rampurhat, Birbhum. 5th Baisak.

Sowasa, Rampurhat, Birbhum, Month of Falgun.

Organise your business with hints from "Theory & Practice of Commerce & Business Organisation." Rs. 4. Industry Book Dept., Cal.

Mollarpur, Moureswar, Birbhum Shiva-Choturdoshi Mela Month of Falgoon

Muralidangal, Moureswar, Birbhum Gosthastami Mela, 1st Magh

Birchandrapur, Moureswar, Birbhum Gosthastami Mela Month of Kartik, Aradhana Mela, Maghi Purnima, Rathajatra Mela, Month of Ashar

Mohurapur, Moureswar Birbhum, Choitra Sankranti Mela Chaitra Sankranti

Kaleswar, Moureswar, Birbhum, Shiva Chaturdoshi Mela Month of Falgun

Ghat Kuri, Moureswar, Birbhum, Dharmojoy Mela Boisakhi Purnima

Dheka, Moureswar, Birbhum, Brahmadoity Mela 1st Magh

Ulkunda, Moureswar Birbhum Fakirkhana Mela 2nd Magh

Mahasthan, P S Shibganj, Bogra Last week of March, 8 days, Cow, Goat, Horse Camel etc are sold

Gopinathpur, P O Adamdighi, Bogra In March, during Doljatra, 15 days

Hili, P S Panchbibi, Bogra Middle of January 1 month

Ganganagar P S Shibganj, Bogra 1st week of April, 8 days

Pakulla, P S Sharikandi, Bogra Middle of December, 1 month

Balua, P S Sharikandi Bogra 2nd week of January 1 month

Boga, P S Sharikandi, Bogra Middle of February 1 month

Punot, P S Khetlal, Bogra 2nd week of February 3 weeks

Ushagram, Asansol Health, Industrial and Agricultural Exhibition January

Chittagong, Shivaratri (March)

Comilla, Tipperah December

Nangalband, Dacca March (Religious)

Kalimpong Fair, P S Kalimpong, Darjeeling Beginning of December 2-3 days

Nekmurd, P S Ranishankoil, Dinajpur, 13th April, 15 days

Allowakhoa, P S Alawari, Dinajpur, 31st October, 15 days

Kantanagar, P S Kaharol, Dinajpur, 31st October, 15 days

Haripur, P S Haripur, Dinajpur 1st March 15 days

Sibganj P S Thakurgaon, Dinajpur, 15th March, 14 days

Dhemdhemi, P S Birganj, Dinajpur, 18th October, 15 days

Patiram, P O Balurghat, Dinajpur 26th January 15 days

Dhaldighi, P S Gangarampur, Dinajpur, 8th February, 22 Days

Chintamon, P S Phulbari, Dinajpur 25th April, 1 month

Kukramoni, P S Kaliaganj, Dinajpur, 14th April, One month

Bindole, P S Raiganj, Dinajpur, 1st November, 15 days

Kadihat, P S Ranishankoil, Dinajpur 3rd October 14 days

Ghoraghat Jalalpur, P S Ghoraghat, Dinajpur, 15th January, One month

Lahiridighi, P S Bahadanga, Dinajpur, 3rd October, 15 days

Jinpir P S Birganj, Dinajpur, 3rd December, 7 days

Kaliakamura P S Kushmundi, Dinajpur 15th March One month

Phulpur, P O Chirirbandar, Dinajpur 14th, April, 7 days

Jayganj, P S Khansama Dinajpur 15th March 15 days

Serampoore, Hooghly July (Religious)

Tarakeshwar, Hooghly Dt Sivaratri March

Dihiberaia Arambagh, Hooghly Ranjit Ray's Dighi Mela On the day of Barunt festival some time in Falgoon or Chaitra

Khanakul, Hooghly, Chanteswari Mela

Rangtakhali P O Arambagh, Hooghly Rash Mela, Agrahayan 5 days

Bali, P S Goghat, Hooghly Rash Mela, Agrahayan, 5 days

Krishnanagore, P S Khanakul, Hooghly Rash Mela, Agrahayan, 5 days

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Basudebpur, P S Arambagh, Hooghly Rash Mela, Agrahayan, 5 days
Arambagh, Hooghly, Olabibi Mela Chaitra, 3 days
Dhulepur, P S Goghat, Hooghly, Kelasona Mela Pus Sankranti day and following 2 days
Jarur, P S Khanakul, Hooghly Bagabati Mela, 1st Baisakh
Batanal, P S Arambagh, Hooghly, Rath Mela Rath Jatra and Ultarath
Nandanpur, P S Khanakul, Hooghly, Rath Mela Purnima day and following 8 days
Kokanda, P S Goghat, Hooghly Kokand Mela Barunı day in Falgun & Chaitra
Ghoshpur, P S Khanakul, Hooghly Panchami Mela Saraswati Puja and following 2 days
Raghubati, P S Goghat, Hooghly Chaitra Sankranti and the previous day
Goghat, Hooghly Kadamrasul Mela 11th, 12th, and 13th, Falgun
Falakata, P S Falakata, Jalpaiguri During Saraswati Puja 15 days
Jalpesh, P O Mainaguri, Jalpaiguri, Sivaratri Festival 1 month.
Banskata P S Patgram, Jalpaiguri During Barunı Snan (Chaitra) 15 days
Boalmari P S Boda, Jalpaiguri, During Barunı Snan (Chaitra) 15 days
Kalia, Narail, Jessore From the middle of Chaitra to the end of Falgun
Bardia Narail, Jessore From the middle of Chaitra to the end of Chaitra
Rupganj, Narail, Jessore On Tuesdays and Saturdays in Baisakh
Ganganandapur, P S Bongaon, Jessore December
Harishpur, P O Bongaon, Jessore January
Garapota, P S Bongaon, Jessore April
Gobrapur, P S Bongaon, Jessore, April
Boyra, P S Bongaon, Jessore May
Matigange, P S Bongaon, Jessore June
Bongaon, Jessore June
Gopalnagar, P S Bongaon Jessore May
Charaigachi, P O Gaighata, Bongaon, Jessore Agrahayan
Moraldanga, P S Gaighata, Bongaon, Jessore Pous
Jaleswar, P S Gaighata, Bongaon, Jessore Pous and Chaitra
Ichapur, P S Gaighata, Bongaon, Jessore, Chaitra
Duma, P S Gaighata, Bongaon, Jessore, Baisakh
Natima, P S Moheshpur, Bongaon, Jessore Jaista
Tengarpur, P S Moheshpur, Bongaon, Jessore Jaista
Khalishpur, P S Moheshpur, Bongaon, Jessore, Falgoon
Moheshpur Municipality, Bongaon, Jessore, Sravan
Benapole, P S Sarsha, Bongaon, Jessore Magh
Subarnakhali, P S Sarsha, Bongaon, Jessore, Falgoon
Iho Malda, Small annual fair—18th January to 3rd February
Mahisadal, Tamluk Midnapur Rath Mela, 7 days
Reapara, Tamluk, Midnapur Sivaratri Mela, 7 days
Bamunara, Tamluk, Midnapur, Akshaya Tritia Mela
Raghunathbari, Tamluk, Midnapur, Rath Mela, 3 days
Bahisbere, Tamluk, Midnapur Rath Mela, 7 days
Tamluk, Midnapur Paush Sankranti Mela, 1 day and Chaitra Sankranti Mela, 1 day
Moyna (Garsafat), Tamluk, Midnapur Rash Mela, 3 days
Gajna, P S Moyna, Tamluk, Midnapur Bhadra Sankranti Mela, 7 days
Shyam Sundarpur Patna, P S Panskura, Tamluk, Midnapur Siddhinath Mela on Paus Sankranti
Bhandaria, Bhandaria Mela, Khargapur P S, Midnapur Last Saturday in Chaitra Sweet-meats, Fruits, Vegetables,

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Pottery, Iron-made things, Fancy-goods etc.

Barbanshi (Ghalaghara), Kharagpur P. S., Midnapur. During "Kali-Puja Festival" and Gajan in Chaitra and Baishak. Vegetables, Agricultural produce, Fruits, Fireworks, Pottery, Iron-made articles, etc.

Madpur, Kharagpur P. S., Midnapur. Gajan Mela. Last day of Baisak. Sweet-meat, Vegetables, Fruits, Agricultural produces, etc.

Neradeul, (Talkui), Keshpur, Midnapur. Kameshwar Jat, Eight days from Pous Sankranti, Vegetables, Earthenwares, Sweetmeats, Fancy things and other various kinds of articles.

Karnagarh, Salbani, Midnapur. Jhareswar Jat, 30th. & 31st. Chaitra, Vegetables, Fruits, Iron made things, Pottery, Brasswares, Sweetmeats, Fancy-goods, etc.

Dalhara, Keshpur, Midnapur, Bateswar Mela, Chaitra Sankranti, Vegetable, Fruits, Iron made things, Pottery, Brasswares, Sweetmeats, Fancygoods, etc

Karnagarh, Salbani, Midnapur. Mohamaya Mela, Pous Sankranti, Vegetables, Dry Fishes, Pottery, etc.

Megha Khan alias Ramnagar, Salbani, Midnapur. Saraswati Mela, Sree Panchami, Vegetables, Dry Fishes, Pottery etc.

Enayetpur, Thana Midnapur Hati Dhara Burir Jat, Day after Pous Sankranti, Vegetables, Sweetmeats, and other things.

Raghunathbari & Kantapal, Garbetta, Midnapur. Bagri Krishnagar Dole Mela, 4 days during Dole Jatra, Mats. Stone-made articles, vegetables, woollen goods, and various sorts of articles.

Kantore, Garbetta, Midnapur. Chaitra Sankranti Mela, 29th Chaitra to 1st Baisak, Sweetmeat Shops, Grocery, Vegetables, Fruits, Country-made Pottery, Fancy articles.

Pingbani, Garbetta, Midnapur, Chaitra Sankranti Mela, after Chaitra Sankranti, Vegetables, Fancy goods & various other sorts of things.

Balarampur, Garbetta, Midnapur. Mir Bagan Mela, "Muharram" Festival, Sweetmeats, Fruits, Vegetables, Pottery etc.

Sarenga, Garbetta, Midnapur, Sarenga Mela, 3rd. Magh, Vegetables, Fruits, Sweetmeats, Fancy Goods, Pottery, etc.

Sarasankya, Danton, Midnapur. Pous Sankranti Mela, Last day of Pous, Fancy goods, Agricultural Produces, Vegetables, Cloth, etc.

Nahanjara, Danton, Midnapur. Last day of Pous, Fancy goods, Agricultural Produces, Vegetables, Cloth, etc.

Bakrabad, Narayangarh, Midnapur. Chaitra Sankranti Mela, From 28th Chaitra to 31st Chaitra, Agricultural Produces, Country made Clothes, Fancy goods & various other things.

Dangra, Sabang, Midnapur. Gajan Mela, Baisak, Sweetmeats, Fruits, Vegetables, Pottery etc.

Maligram, Sabang, Midnapur. Charak Sankranti Mela, last day of the month of Chaitra. Sweetmeats, Fruits, Vegetables, Pottery, etc.

Khawkhand Raghunathpore, Sabang, Midnapur. Tulshi Charan Mela, 1st day. of Magh, Sweetmeat Shops, Vegetables, Pottery, Iron-made things, Grocery, etc.

Kolanda, Sabang, Midnapur. Basi Jat Mela, 2nd & 3rd Magh, Vegetables, Clothes, Sweetmeats, Fancy goods. Agricultural Produces, etc.

Shitalda, Sabang, Midnapore. Shiva-Chaturdashi Day, Sweetmeats, Fruits, Vegetables, Country made goods.

Kerarbar, Sabang, Midnapur. Last day in Chaitra, Sweetmeats, Fruits, Vegetables, Country-made goods.

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept., Calcutta.

Tilantapara, Sabang, Midnapur Last day of Chaitra, Sweetmeat, Vegetables, Fruits, Pottery, etc

Perua, Sabang, Midnapur, Last day of Chaitra, Sweetmeat, Vegetable, Fruits, Pottery, etc

Chandipur, Debra, Midnapur, Kedar Bhur Bhari Mela, 12 days from Pous Sankranti, Iron utensils, Soldering, Brasswares, Cotton-made Clothes, Pottery, Stationery, etc

Marotala Satyapur, Debra, Midnapur Satyapur Mela Last day of Baisak Iron-utensils Brassware, Pottery, Sweet meats, Vegetables, Agricultural produces, etc

Bishnupur Kalitala, Murshidabad December

Kalitala, Murshidabad (Religious)

Kandi Murshidabad (Religious)

Khagra, Murshidabad (January) Rudradeva Murshidabad (Religious)

Lalgola, Lalbagh Murshidabad At the time of Rathjatra (June-July)

Kiriteswari, P S Nabagram, Murshidabad Agricultural and Industrial Every Tuesday in Paus

Jamalpur, Mymensingh Cattle January—April

Ballavpur, Meherpur, Nadia 2nd week of January

Kulia Nadia Jan (Religious)

Ghospara, Nadia March (Religious)

Nabadwip, Nadia Feb & Nov (Religious)

Santipur, Nadia November (Religious)

Saugor, Saugor Islands Poush Sankranti (Religious)

Chack Kair, P S Gurudaspur S D Pabna, In April, 15 or 20 days

Arankola, P S Sara, Pabna From October of each year 6 months Cows, Buffaloes are sold here

Debottar, P S Atghoria, Pabna Not fixed 1 month Cows only sold here

Kashinathpur, P S Santhia, Pabna Every Thursday of the week 9 hours daily Cattle sold here

Santhia river side, P S Santhia, Pabna Barunı Mela Midle of March 1 month

Karanja, P S Santhia Pabna First week of May 15 days Cattle sold here

Ullapara, P S Ullapara, Pabna Delwarganj Mela 1st Poush or every year 4 months

Lahiry Mohanpur, P S Ullapara, Pabna Middle of Sravan 1 month

Angaru P S Ullapara, Pabna Every Saturday in the month of Baisak 1 month

Bhuiyagathi, Raiganj Thana, Serajganj S D, Pabna Asthami Mela Basanti Astami day

Pabna, January (Industrial & Agricultuarl)

Kaliganj, P S Nahatta, Sadar S D, Rajshahi Middle of July 15 days

Nahatta, Sadar S D Rajshahi End of November 3 days

Pathia Bazar Puthia Sadar S D Rajshahi During Rathajatra 15 days

Rostumpur, P S Charghat, Sadar, S D, July to August 20 days

Puthiamari, P S Charghat, Sadar S D, Rajshahi In December 1 month

Arani, P S Charghat Sadar S D Rajshahi In July 3 days

Gopalpur P S Charghat, Sadar S D, Rajshahi In April 7 days Kaloo Pir Sahib's Darga

Khetur, P S Godagari, Sadar S D Rajshahi October, November, 6 days

Sultanganj P S Godagari, Sadar S D, Rajshahi February, 3 days

Bagha, P S Rajapur, Sadar S D, Rajshahi 10 days from the Id Festival 10-12 days

Narayanpur P S Rajapur, Sadar S D, Rajshahi February 1 month

Murshipur P S Rajapur Sadar S D, Rajshahi June-July 15 days Rathajatra festival

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept, Calcutta.

Taherpur, P S Bagmara, Sadar S D, Rajshahi In Ashar, 8 days Rathajatra festival
Bhabanigunj P O Bagmara, Sadar S D, In Magh, 8 days
Dhenkutala, P S Bagmara, Sadar S D, Rajshahi In Baisak, 1 day
Dhanura P S Tanore, Sadar S D, Rajshahi In Kartik 1 day Kali Pujah
Kamergaon, P S Tanore, Sadar S D, Rajshahi In Aswin 1 day Durga Pujah
Madaripur, P S Tanore, Sadar S D, Rajshahi Muharram day, 1 day
Aira, P S Tanore, Sadar Rajshahi In Chaitra 3 or 4 days
Dubalhati, P S Naogaon, Rajshahi In Chaitra 3 or 4 days
Dubalhati, P S Naogaon, Rajshahi In Ashar 10 days During Rathjatra
Balihar P S Naogaon, Rajshahi During Rathjatra 10 days
Naogaon Kalitala, P S Naogaon, Rajshahi Middle of Sravan 2 months
Sailgachi, P S Naogaon, Rajshahi In Aswin, 1 day Durga Puja
Muradpur, P S Naogaon, Rajshahi In Kartik 1 day, Kartik Puja
Kashimpur, P S Raninagar, Naogaon S D Rajshahi In Sravan 10-15 days For Barwari
Durgapur, P S Raninagar, Naogaon S D, Rajshahi During Muharram 3 days
Jamgaon, P S Raninagar, Naogaon S D Rajshahi During Poush Sankranti 3 days
Trimohani, P S Raniragar, Naogaon S D Rajshahi In Aswin 1 month
Buridah, P S Manda, Naogaon S D Rajshahi During Rathjatra 10 days.
Fatehpur, P S Manda, Naogaon S D, In Bhadra 3 days
Panjarbhanga, P S Manda, Naogaon S D, Rajshahi In Aswin 1 month
Jote Bazar, P S Manda, Naogaon, S. D, Rajshahi In kartik 10 days
Thakur Manda, P S Manda, Naogaon S D Rajshahi In Chaitra 10 days Ram Nabami
Bandoobi, P S Mahadebpur, Naogaon S D, Rajshahi During Rathajatra, 10 days
Raigaon, Alias Matajihat, P S Mahadebpur, Naogaon S D, Rajshahi In Poush, 2 months Cattle sold here
Lalor P S Shingra, Nator S D, Rajshahi In May 7 or 8 days
Kalam, P S Shingra, Nator S D. Rajshahi 1st Part of June 4 or 5 days
Shawail, P S Shingra, Nator S D, Rajshahi In June 10 or 15 days
Kaligonj, P S Shingra, Nator S D, Rajshahi In February 10 to 15 days
Pakuria, P S Shingra, Nator S D, Rajshahi In February 4 or 5 days
Budpara, P S Lalpur, Nator S D, Rajshahi In Kartik 1 month
Nazipur, P S Gurudaspur, Nator S D, Rajshahi In June 6 or 7 days
Halsha P S Gurudaspur, Nator, S D, Rajshahi In June 6 or 7 days
Mantor, Rajshahi April (Livestock & Agri Implement)
Ramkeli, Rajshahi (Religious)
Khetur, Rajshahi, Oct (Live stock & Agri Implement)
Madati, 2 miles from Bhotmari Ry Stn, Rangpur Madati Baisaki Mela 1st Baisak One month
Anantaram, 2 miles from Pirgacha Ry Stn, Rangpur Rathajatra Mela 1st Badra 1 month
Thakurbari in Mithapukur P S. Rangpur Kalisidheswari Mela 15th Aswin One month.
Gangachara, very close to Gangachara P S, Rangpur Rash Purnima day One month
Badarganj, Rangpur 1st Poush One month
Bara Khata, very close to Barakhata Ry Stn, Rangpur. 5th Poush One month

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Laldighi, P S Pirganj, Sadar S D, Rangpur 15th Poush One month

Bhotmari Stn. at Madati, Sadar S D Rangpur Madan Mohan Dev Mela 5th Magh One month

Bhendabari, P S Pirganj Sadar S D Rangpur, 5th Magh One month

Ekbarpur, P S Pirganj, Sadar S D, Rangpur Maharganj Mela 15th Magh 15 days

Deuty P S Pirgacha, Sadar S D, Rangpur Maghi Mela 15th Magh One month

Bairati, P S Mithapukur, Sadar S D, Rangpur 10th Falgoon One month

Kholahati Sadar S D Barani Snan Day One week

Sikerhat P S Badarganj Sadar S D, Rangpur Chaitra One month

Gaddimari P S Ratibandha Sadar S D Rangpur, 25th Chaitra One month

Bamandanga, 2 miles from Rv Stn Gaibandha, Rangpur Jagadhatri Puja Day One month

Sundarganj P O Sundarganj, Gaibandha, Rangpur Ganesh Janani Mela 1st Agrahayan One month

Madhupur, P S Sadulapur, Gaibandha, Rangpur 1st Agrahayan One month

Belka P S Sundarganj Gaibandha, Rangpur 1st December. One month

Kalirbari, P O Polashbari, Gaibandha, Rangpur 15th November One month

Fulchari, Gaibandha, Rangpur, Gopinath Deb Mela 1st Poush One month

Birat, Gaibandha, Rangpur In Chaitra One month

Burirhat, very close to Mohendranagar Ry Stn P S Lalmonirhat, Kurigram S D, Rangpur Bridheswari Mela 31st Aswin 2 weeks

Hybatkha, P S Ulipur, Kurigram S D, Rangpur Hybatkha Mela Shyama Puja day 2 weeks

Diadanga, P O Bhurungamari Kurigram S D, Rangpur, 16th November One month

Shibbari, P O Ulipur, Kurigram S D Rangpur 8th March One month

Noon Khawa, P O, Nageswari Kurigram S D, Rangpur Astami Snan Day One month

Barabhita, P S Keshoreganj, Nelphamari S D, Rangpur 15th Agrahayan One month

Panga, P S Domar, Nelphamari S D 1st Magh One month

Darwani, P O Nilphamari, Rangpur 5th Falgoon One month

Tatulia, P S Kishoreganj, Nilphamari, Rangpur Barani Snan Day One week

Bikanda, 24 Parganas Agricultural & Industrial Exhibition At the end of February

Sodepur, 24, Parganas December (Agricultural)

BIHAR & ORISSA.

Thawe, Gopalganj S D, Saran Dist March & April

Manjha Gopalganj S D, Saran Dist October

Hathwa Gopalganj S D, Saran Dasara festival

Bederjimi Gopalganj S D, Saran, October & March

Baraipatti, Gopalganj S D, Saran, Oct & March

Khurda Town at the foot of Barunai Hill Agricultural implements and brass and bell-metal utensils 3 days

Atri, 9 miles from Khurda Town Agricultural implements, brass and bell-metal utensils, doors, cartwheel etc Nearly a month

Dhaiya Dhanbad Organised by the East Indian Railway Indian Institute February

Khagra, Kishanganj, S D, Industrial, Agricultural and Cattle Show January

Islampur Kishanganj S D, Fair, October & Nov, Daspara, Kishanganj S D, Fair February & March

Bibiganj, Kishanganj, S D, Fair, November & Dec

Domihani Kishanganj, S D, Fair, October & Nov

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Tarachandi, Near P S, Sasaram, Fair, Chaitra Ramnavami
Bhaluni, Bikramganj, Sasaram S D, Fair Chaitra Ramnavami
Angul, Orissa January
Balasore Gopinath Mela
Banka, Bhagalpur January
Barahpur, Shahabad, January
Bhagalpur, February
Bhukta & Jamrula, Sambalpur (Cattle)
Gaya, Gaya Dt (Religious)
Chaibassa, Singhbhum January
Dumka, Santhal Parganas January
Gopalpur, Patna March
Hunra, Sambalpur, February (Agricultural & Industrial)
Kabilas, Supaul Bhagalpur January
Monghyr (Agricultural & Industrial)
Puri, Puri Dt July & February, (Religious)
Purneah, Purneah Dt Jan-Feb Agri Products, Live stock and Foreign Articles)
Sitamarhi, Darbhanga April (Cattle)
Sonepur, Muzaffarpur October-Nov (Harihar Chatra Mela, Cattle, Animals, Articles of Arts & Craft)
Babhani Kargahar Sasaram S D, Fair, Falgun Sivaratri
Karakat Bikramganj, Sasaram S D, Cattle Fair, Just after Sivaratri
Kargahar, Sasaram S D, Falgun Sivaratri
Dehri, Sasaram S D, Fair, Kichari Mela, Middle of January
Nasriganj, Sasaram S D, Middle of January
Chenari, Sasaram S D, Gupta Dham Falgun Sivaratri, Basant Panchami

BOMBAY PRESIDENCY.

Amalner, Khandesh, May, (Religious)
Chaul, Kolaba
Ghotki Town, Sukkur (Religious).
Haldipur, Kanara, March
Manora, Karachi Dt March (Cattle & Fancy Goods)
Nargund, Dharwar, Sept-Oct (Religious)
Pithoro Thar & Parkar, (September)
Sansweswar Town, Ratnagiri, January & Feb
Sirsi, Kanara (Every alternate year, Religious)
Talikota, Bijapur March & April (Fancy Goods)
Umarkot, Thar & Parkar, March (Religious)
Yamnur, Dharwar, Nearly 60,000 People assemble
Bhanwad, Nasik, Paush Shud 15, 7 days
Khedgaon, Nasik, Magh Shud 15, 1 day
Vani, Nasik, Chaitra Shud 15, 15 days
Shindwad, Nasik, Chaitra Shud 15, 2 days
Jopul, Nasik, Chaitra Shud 15, 1 day
Lakhamapur Nasik, Margashirsha Shud 15, 1 day
Ambegaon, Nasik, Chaitra Shud 15, 1 day
Awankhed Nasik, Chaitra Shud 15, 2 days
Krishnagaon, Nasik, Margashirsha Vadya, 4, 1 day
Khanapur, Tasgaon, 15th Pous, Cattle
Ped, Fruits, grains, farming instruments, Cattle
Audumber, Tasgaon, Datta Jayanti Mela, 5th Magh, Religious, Cattle and agricultural
Mhasa, Murbad Taluk, Poush Sudh Paurnima Cattle Fair, (50 000 cattle)
Shinganapur, Man Taluk, 15th Chaitra, Cattle and agricultural produce
Bathis-Shirala, Walwa Taluka, Gorakhanath Mela Brass, Copper and Metal pots
Islampur, Sambhoo Appa Mela 15th Kartik, 4 days Agricultural Products and cattle
Jotika, Kolhapur Nine lakhs of people attend

CENTRAL PROVINCES.

Adasa, Nagpur (Religious)
Ambhora, Nagpur (Religious)
Baripada Rathi Jatra

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Barehta, Hosangabad
Barmhan, (Hosangabad Dist)
Bhoraghat (Religious)
Dewoolwada, Arvi Tasil, Wardha Dist, Ashadhi Ekadashi, (July)
Dhaga, Arvi Tahsil, Wardha, Shivaratri, (March)
Singaji, Nimar, C P, Cattle Fair
Dhapeware, Nagpur (Religious)
Hindnagar, Dt Mandla
Kumbhi, Jubbulpore (Religious)
Kumbhi, Jubbulpore (Religious).
Madhupuri, Dt Mandla
Melajpur, Betul (Religious, Household articles & Furniture)
Ramtek, Nagpur Kartik Mela
Raigarh Ganesh Mela
Sankal, Hosangabad

INDIAN STATES.

Amarnath, Kashmir, June-July
Katmundu, Nepal, Shivaratri (March)
Malgaon, Hyderabad Horse.

MADRAS PRESIDENCY.

Chettikolam, Trichinopoly March & April (Religious)
Chhaita, Madura (Cattle)
Coonoor, Nilgris Dt June (Agri-Horticultural, Poultry & Live stock)
Dindigul, Madura Weekly (Cattle)
Kanchi, Chaitra Sankranti (April)
Karur, Trichinopoly, (Religious)
Makkajipalli, Anantapur Sree Sangameswara Cattle fair at Kothacheruvu Vaisakha Pournavami 9 days
Penukonda, Anantapur Syed Sha Baba Fakrodeen's Ursfair 10th day of Jamadal Akhir, (Mohammadan Month) 5 days
Lalgudy, S I, Vaikuntha Ekadasi day (December) Agricultural and Industrial 15 days
Samayapuram, Bojarajapuram Cattle fair
Penukonda, Anantapur Sree Subramanya Swami Parasha at Peddamanuthur Magha Suddha Sashti, 6 days
Goolum, Doddamaridevaraya Sumudram, Kollegal Taluk, Cattle Fair
Kalyankoil, Sivaganga 2 weeks. 2nd or 3rd week of May Cattle fair
Kuruvathi, Harpanahalli Tahsil, Sree Mallikarjuna Car Festival and Cattle Fair, End of February or beginning of March
Anelivis, Bhanani Station, Gurunathu, Swami Festival, Cattle Fair, 2nd week of August
Tirupur, Coimbatore, Cattle Fair & Exhibition June
Lingampeta, Narsapatam Taluk Telegu, new year's day Brass bronze vessels and cloths alone
Nilakottai, Tahsil Nilakottai March and May Cattle fair
Anthoor, Tahsil Nilakottai, 9th April to 13th April Cattle fair
Shembatti, Tahsil Nilakottai 7th & 12th May and 10th to 15th June Cattle fair
Margalgiri, Guntur, March (Religious)
Simhachalam, Vizagapatam April, (Religious)
Siruvachur, Trichinopoly May & June (Religious)

PUNJAB

Amritsar, Amritsar Dt April & November (Diwali) (Carpet, Cattle & Horse)
Bhiwani, Hissar (Famous Horse Fair)
Jalamukhi, Hoshiarpur Puja time 15 days (Religious)
Nankana Sahib, Sheikhupura, Kartic Paurnamashi (Rice, Wheat, Cotton, Gur, etc)
Rawalpindi, Rawalpindi April, (Exhibition of Horse)

UNITED PROVINCES.

Allahabad, Allahabad After every 12 years (Kumbha Mela)
Brindaban, Muttra Dole Jatra & Jhulan (Religious)
Garmukteshwar, Meerut, Katric Purnima
Khairabad, Sitapur Dt
Nimkhar, Sitapur Dt
Mau, Agra Sitla Fair Every monday in the month of Asarh 4 days
Itaura, Agra Deviji's Fair From Chait Sudi 7 to 9 3 days

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Sikandra, Agra Kailash Fair 3rd Monday in the month of Sawan 1 day

Agra Cantt Ry Station, Kamalkhan Fair On Thursday in the end of Kanagat 1 day

Jamna Kinara & Ram Bagh Teraki Fair 3rd Thursday of the month of Bhadore 1 day

Ramlila ground Ramlila Fair In the month of Khar 1 month

Siddagange, Tumkur Dt 1st week of March

Seebi, Tumkur 1st week of March

Sasalu Tumkur In the middle of March

Devarayandroof, Tumkur In the middle of March

Hettenahally, Tumkur 1st week of March

Sattihally, Tumkur In the middle of April

Tumkur 1st week of March

Deviji, Dekoli, Jhansi

Deviji, Patha, Jhansi

Nag Panchami, Guruthakara, Jhansi

Vishwamitra, Godha, Jhansi

Kedarnath, Haibatpura, Jhansi

Anand or Sreenath, Marosi, Jhansi

Dura Devi, Irach, Jhansi

Miran Sha, Irach, Jhansi

Baidnath Mahadeo Jew, Bhumi, Jhansi

Ramlila, Irach, Jhansi

Devij, Irach, Jhansi

Gosain, Sata, Jhansi

Sheorajpur, Khajuha S D, Kartiki Fair, November 7 to 13

Dalwar, Rae Bareilly, Kartiki Fair, Agricultural & Industrial Exhibition

Ramibagh Near Kathgodum, Nainital, Maker Sankranti, (January), Bathing Fair

Tarai & Bhabar Govt Estate Exhibition, Haldwani, Nainital, cattle, poultry, Agricultural and handicraft exhibits

Meerut City, Nauchandi Fair, Last week of March or first week of April

Tirwa, Kanauj Tahsil Farrukhabad Cattle fair, 3rd of Baisakh Sudi

Fatehpur Sikri, Urs fair of Sh Sahm Chisti from 26th Ramjan

Tirwa, Farrukhabad Akhteej in Baisakh i e 3rd of Baisakh Sudi

Hathras, Art and Industrial Exhibition in November and December

Sambhal, Moradabad, Dasehra (Ramlila), Dhaja (3rd day of Holi), Pheri (4th & 5th day of Dewali) Religious

Bahjoi, Moradabad Dasera Religious

Sechavli Dhaja (3rd day of Holi) Religious

Sadat Bari, Sambhal Sheoratri

Rajpur, Sambhal, Moradabad Sheo Ratri

Deokali, Paragna Ballia Sheoratri, Phagun Badi Teras Iron, brass, and earthen wares

Karon, pargna, Garha, Sheoratri, Phagun Badi Teras Iron, Brass and earthenwares

Shankerpur, paragna Ballia, Ram Naumi Chait Sudi Naumi, Iron, brass and earthenwares

Ballia, Bijyadasmi, Kunwar Sudi It is not a market fair

Ballia, Dadri, Kartik Sudi Purnawasi Cows, buffaloes, bullocks and horses, Iron, brass and earthenwares, clothes, blankets steel and wooden boxes, carpets, stationery and miscellaneous articles An agricultural exhibition is also held in this condition

Ranigunj, paragna Doaba, Mela Sudisht Baba or Dhanushjagya, Aghan Sudi Panchmi, Cows buffaloes, bullocks and horses, Iron, brass and earthenwares, clothes, blankets, steel and wooden, boxes, carpets, stationery and miscellaneous articles

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TECHNICAL INSTITUTIONS

WITH PROSPECTUS.

AGRICULTURAL & SERICULTURAL INSTITUTIONS

AGRICULTURAL COLLEGE, CAWNPORE.

Educational qualifications for admission—For the Intermediate in Agriculture the High School Examination or a certificate of equivalent standing and for the B Sc (Ag) the Intermediate in Agriculture or any other examination in Agriculture recognized by the Agra University as equivalent thereto

Age —An age-limit is fixed in the case of candidates for Government service In such cases the limit is 19 years, except when the candidate is admitted direct to the third year class, in which case the limit is 21 years at the time of admission

Fees —Entrance fee Rs 15, Monthly tuition fee Rs 5 Monthly fees will be charged for 10 months only

Admissions —Applications for admission should reach the Principal as soon after the 15th of April as possible Early application is desirable as selections will begin to be made early in May Candidates may apply in anticipation of passing the examination qualifying for admission

Residence —Every student is required to reside in the College hostels Special quarters Rs 10, per mensem per set, Ordinary hostels, single-seated Rs 3 6, per mensem per student

Cost of living —Including board, lodging fees, and pocket money amounts to about Rs 35, per mensem Accommodation is provided for large zamindars in special quarters on payment of Rs 8 per mensem as rent

AGRICULTURAL COLLEGE, COIMBATORE

The course extends over three years The College is affiliated to the University of Madras, and this course leads up to the Degree of Bachelor of Science in Agriculture Students from all parts of India are eligible for admission, but preference is given to those from the Madras Presidency and Coorg

Candidates shall have passed completely the Intermediate Examination in Arts and Science of the University of Madras and have qualified in Group I or II thereof, or an examination of some other University recognised as equivalent thereto All applications for admission should be made on or before 15th June each year Candidates must be above 18

No fees will be charged for tuition and lodging to students from the Madras Presidency and Coorg Students from other parts of India including Indian States, will be charged a fee of Rs 400 per term, payable in advance for tuition and lodging

AGRICULTURAL COLLEGE, BURMA,

Bawdigon, P. O., Mandalay.

Recruitment of undergraduate students is suspended for the time being Research work in agricultural science is being carried on

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ALLAHABAD AGRICULTURAL INSTITUTE, ALLAHABAD, U. P

Intermediate Examination in Agriculture —This is a two years course under the Board of High School and Intermediate Education U P Every candidate for admission must have passed the Board's High School Examination, or an examination equivalent thereto The annual fee Rs 21-8, monthly fees Rs 8 (tuition), room rent, single room Rs 4, and 3-men room Rs 2-8, light and water about Rs 2, annual deposits Rs 18, subject to refund at the close of the year

B Sc in Agriculture —This course is given by Allahabad University to which application for admission must be made All instruction is given at the Institute Candidates must have passed the Intermediate examination in agriculture This is a two years course Specialization is allowed in Agronomy, Pomology or Animal Husbandry and Dairying, Annual fees Rs 8-8, monthly, tuition Rs 12, and lab Rs 2, room rent, light and water as in the Intermediate course, annual deposits Rs 15, subject to refund at the close of the year

Indian Dairy Diploma —This is a course of 2½ years under the control of the Imperial Department of Agriculture Candidates must have passed the High School Examination or an examination equivalent thereto, and be over 17 years of age Annual fees Rs 25 8, Monthly fees Rs 15

Note:—School year begins in July and applications for admission should be made by June 1st The prospectus is available from the Principal, Agricultural Institute, Allahabad

BULANDSHAHR SCHOOL OF AGRICULTURE, Bulandshahr, U P.

Students who pass the two years' course of the school are eligible for admission to the subordinate Agricultural Service on a commencing salary of Rs 65 per mensem They are eligible for promotion to the higher grades on passing the prescribed departmental examination No guarantee of appointment is given No educational qualification is demanded

The course of training consists of lectures in the subjects accompanied by the practical work on the farm The monthly fee for instruction is Rs 3 There are 50 scholarships and stipends of Rs 12 per mensem for both the first and second year students The session commences every year from January Application for admission should reach at least a month before the time of admission

CHINSURAH BHUTHNATH PAUL AGRICULTURAL SCHOOL, CHINSURAH.

The minimum educational qualification should be a pass certificate from class VIII of a High English School or its equivalent They must be over 16 years of age

The course will extend over a period of two years commencing from the formation of the classes in January It will include lectures and practical works in Agriculture, Horticulture, Pisciculture, Floriculture, Botany, Dairying, Poultry farming, Veterinary science, Insect pests, Surveying, Levelling and Estimating It also includes lectures in Co-operation, Law and Zemindary and Farm accounts

Application for admission should be made to the Secretary or Head master of the school with a certificate either from the University or from the Head master of the school the applicant last attended

Accommodation is provided in hostel attached to the School The tuition fee of the school is Rs 3/ per month

Each student is allowed a plot of land on which he is personally responsible for the cultivation of crops

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER. "Independent Careers for the Young" explains. Re. 1-5

COLLEGE OF AGRICULTURE, NAGPUR.

The course of training given at this College are —(1) The University or Degree Course, (2) The Certificate or Short Course

The Degree course is a full course of agriculture together with its allied branches of knowledge extending over 4 years Applicants must be between 17 and 22 years of age

The Certificate Course is a pure Agricultural Course with the minimum of science and extends over two years (about 20 months of study) This course is intended primarily for agriculturists of the Central Provinces and Berar only The entrance standard of students taking the two-years course will be slightly below that of Matriculation or the High School examination or the Board pass standard, but they must have sufficient knowledge of English and arithmetic, to pass the College entrance examination

Application for admission must be made by the 20th June at the latest Applicants must be between 17 to 22 years of age

No fees are charged to students from the Central Provinces and Berar A fee of Rs 180, per annum will be charged to students from other areas taking the Degree or Certificate course at the College Such fees are payable in three instalments of Rs 60 each in July, November and January

COLLEGE OF AGRICULTURE, POONA

The College trains candidates for the Bachelor's and Master's courses in agriculture of the Bombay University Admission limited to 75 every year

There are two terms per session and the degree course consists of three sessions The terms are annually —First Term, 10th June to 30th September, Second Term, 1st November to 20th February

Fees Per session —Tuition Rs 150 for insiders and Rs 300 for outsiders Room Rent Rs 40 College Gymkhana Rs 10 College Magazine Rs 2

In addition to the college fees mentioned above the University of Bombay has decided that a fee of Rs 20 should be paid by any student joining a college affiliated to the University of Bombay at any time if he is not a matriculate of the Bombay University

Applications for admission should be made before 20th May every year

Messing is managed by the students forming clubs The monthly expenditure comes to about Rs 25 to Rs 30

DACCA SECONDARY AGRICULTURAL SCHOOL, DACCA.

The minimum educational qualification is a pass certificate from class VIII of High English School

The candidates must be about 19 years of age Seventy per cent of the seats are reserved for the sons of bonafide cultivators The course will extend over a period of two years commencing from 15th January It will include lectures and practical work in Agriculture, Botany, Dairying, Poultry, Veterinary Science Insect pests, Farm Accounts and co-operation, Carpentry, Smithy, Surveying, Levelling and Estimating

No fees are charged for tuition All students must stay in the attached hostel and pay their messing charges which come to about Rupees Ten per month Fifteen students are admitted each year Government grants stipends at Rupees Ten per month, to about half the number

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER. "Independent Careers for the Young" explains. Re. 1-8

Application for admission should be made in prescribed form early in November and selection is made in December.

IMPERIAL INSTITUTE OF AGRICULTURAL RESEARCH, New Delhi.

The Institute at Pusa having sustained very serious damage in the great Bihar earthquake of 15th January, 1934, it has been decided to shift it to a new site near Delhi, where Laboratory and other buildings are under construction It is expected that the Institute will be completely transferred to its new locality by the end of the year 1936

Specialised courses are given in Agricultural Botany, Mycology, Entomology, Agricultural Chemistry and in Farm organisation and management Distinguished science graduates, graduates of agricultural colleges and selected officers of Agricultural Departments are eligible for admission

Intending students should apply to the Director, Imperial Institute of Agricultural Research through the Director of Agriculture of the province or State in which they are resident so as to reach the latter on or before the 15th September Courses commence from 1st November and last for 2 years except in the case of the course in farm organisation which lasts, for a year

A tuition fee of Rs 25, per month is charged from each student which is payable in advance for each term Furnished rooms in the Hostel are provided for accommodation, but the students have to make their own arrangements for meals

Expenses of living do not exceed Rs 40 to Rs 50, per head monthly In addition to the fee, a sum of Rs 15 to Rs 30, is required for purchase of books

MYSORE AGRICULTURAL SCHOOL, HEBBAL, BANGALORE

The school trains efficient and intelligent agriculturists The course covers Geology, Zoology, Botany, Mycology, Dairying, Veterinary Science, etc

In selecting students, perference will be given to those whose parents own land in Mysore and are engaged in supervising its cultivation Admission will be given to those who have passed the S S L C Examination

The course extends over three years No fee is charged for tuition Medical attendance is free No rent is charged for rooms and furniture Government provide a number of scholarships

A preliminary Entrance Examination in English and Arithmetic will be held during the first Monday of July Session commences on the first of June

The successful candidates at the end of the third year will be given the Diploma of Licentiateship in Agriculture (L ag)

PUNJAB AGRICULTURAL COLLEGE, LYALLPUR.

There are 3 courses of study (a) A course for the B Sc Degree in agriculture, extending over four years The subjects taught include agriculture, chemistry, physics, botany, elementary zoology and entomology, veterinary science, mathematics, English, agricultural economics, land revenue and agricultural engineering including land surveying, (b) A Leaving certificate course, extending over two years, (c) A course in practical agriculture of six months' duration, twice a year. The medium of instruction in (a) and (b) is English, in (c) it is the vernacular.

About eighty students are admitted each year for the degree and 5 for Punjab States and 9 for other provinces About 40 students may be taken into the six months' vernacular course.

Make Depilatories? "PROSPECTIVE INDUSTRIES" Explains the Process. INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

For the degree and leaving certificate course, the minimum qualification for admission is the matriculation examination, or any other examination equivalent to matriculation

For the vernacular course young men who have at least passed through the upper primary school course are admitted

Applications for admission to the degree and leaving certificate courses must be made before 20th May of the year.

For degree students the total cost of living in the college, inclusive of tuition and other fees, is about Rs 40 to Rs 45 per month in the first and second years, and Rs 45 to Rs 50 per month in the third and fourth years

SERICULTURAL SCHOOLS.

For advanced students one year's course of training is provided in the sericultural nurseries at Berhampore in Murshidabad district and at Piasbari in Malda district On passing the School Final Examination, the successful student is granted a reward of Rs 400 for the construction of silkworm rearing house Six stipends of Rs 10 per month are offered annually at the Berhampore Sericultural Nursery School and ten stipends at the Piasbari Sericultural Nursery School Primary classes are attached to the Government Nurseries at Piasbari and Amriti in Malda and also at the Kumarpur Sericultural Nursery at Beldanga in Murshidabad

Other institutions are Mysore Govt Silk Filature, Mysore and Sericultural School, Rajshahi

SUPPLEMENTARY LIST.

Baroda Farm, Baroda

Dacca Agricultural School for the Teachers on Training, Dacca

SCHOOLS OF ARTS & CRAFTS.

ALBERT TEMPLE OF SCIENCE AND SCHOOL OF ARTS,
337, Upper Chitpore Road, Calcutta.

Courses of Study —Painting, Modelling, Lithography, Engraving, Art Teachership, Designing and Draftsmanship A student passing through classes of the Drawing Department will be qualified to take up any one of the above special courses Some knowledge of English and Mathematics is essential Lectures are delivered in Bengali

The School fees for all classes in the Drawing Department are Rs 2 and for all classes in the Art Department Rs 4 Admission and Transfer fees are the same as school fees The session of the school begins from January but a student may have his admission at any time in a year

GOVERNMENT SCHOOL OF ARTS,
28, Chowringhee, Calcutta.

Session Commences July Application for admission into the school should be made to the Principal early in June on a form, obtainable from the office, duly filled in by the guardian Candidates must not be more than 18 years or below 15 years of age and must have at least read up to the Matriculation Standard of the Calcutta University A test examination will be held in the school premises in the middle of June for selection of candidates The successful candidates and their guardians are required to interview the Principal (for selection of their course etc, and signing the necessary admission forms)

Each candidate will have to pay at the time of admission a sum of Rs 17/4 or Rs 21/4 (being tuition fee of Rs 3/- or Rs 5/-, admission fee of Rs 3/- or Rs 5/-, caution money deposit of Rs 10/- and punkha fee of Re. 1/8) according as the student wants to be admitted into

Make Depilatories? "PROSPECTIVE INDUSTRIES" Explains the Process. INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

the elementary course or specialization course direct, the caution money being refundable when the student will leave the school provided there are no outstandings against him

GOVERNMENT SCHOOL OF ARTS AND CRAFTS, LUCKNOW.

Applications for admission must be made before June 30. An Entrance examination will be held about July 15. Applications must be between the ages of 13 and 18 years.

The Fine Arts section, limited to 20 students, gives instruction in four branches of art work, viz, Still Life Painting, Figure and Landscape Painting, Portrait Painting from Life, Modelling from Life

Metal Work Classes—Goldsmith's work (Jewellery, Gold Casting, and Engraving), Silversmith's work (Shape-making, Engraving, Casting, and Repousse), Brass and Coppersmith's work (Repousse and Casting), Iron work (Hot and cold), Wood Work (Constructive, Turning, Carving, Inlaying, and Polishing), Architectural Decoration (on the flat, in colour and in relief) Applicants should have passed the 6th Class, for the above subjects

Art Printing Dept gives instruction on Lithography and Chromo-Lithography from Stone, Zinc, and Aluminium plates, Photo-lithographic Processes, Line Blocks in Zinc, Half Tone and other Photo-mechanical Processes The average cost of living in the boarding house excluding school fees is about Rs 12 per month for each student

TRAINING OF DRAWING MASTERS

Applications must reach the Principal not later than July 1 Applicants must be between the ages of 18 and 23 and should have passed the High School examination of the Board of High School and Intermediate Education with Drawing as an optional subject, or an equivalent examination with Drawing as a subject No candidate who has not resided in the United Provinces for a period of at least three years prior to the submission of his application will be eligible for admission in the class

Course of study extends over two years Students who have studied for two years in the Fine Art Class will however be allowed to complete their course for the Teachers' Training Class in one year instead of two

INDIAN ART SCHOOL,
246A, Bowbazar Street, Calcutta.

The School imparts education in Fine Arts, such as Drawing, Painting, Photography, Engraving, Lithography, Draftsman Drawing, Commercial art and Art Printing etc, and trains up Drawing Teachers for High and Middle English School

The school fees for each class in the first year are at Rs 3 per month, and from the 2nd year at Rs 4 per month The Art Printing class is the only free class Admission fee is equivalent to the monthly fee

The Principal Subjects of instruction are the following —

1 Drawing—(About 3 years), 2 Painting (About 6 years), 3. Draftsman Drawing (About 3 years), 4 Engraving (About 6 years), 5 Lithography (About 6 years), 6 Photography (About 2 years), 7. Art Printing (About 2 years)

INDIAN SOCIETY OF ORIENTAL ART,
12, Samabaya Mansions, Hogg Street, Calcutta.

Courses of Study include:

(1) Rupa-bheda & Pramanam—Forms & Measurements; Drawing from objects and models, Perspective, Enlarging and reducing draw-

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

ings, Brush-work in ink and flat colours, Wood-engraving and printing, Sculpture in stone and wood

(2) Bhava Lavanya Yojanam—Feeling and grace, Study of light and shade from natural objects, fruits, flowers, etc, etc, animal drawing and drawing of human figures, architectural details, brush work and colours, Design, memory drawing

(3) Sadrisyam & Varnikabhangam—Resemblance and the use of implements Studies of ancient painting, studies from nature and original composition

No fees are charged

MAHESWARPASA SCHOOL OF ART,
Daulatpur, Khulna.

Subjects in Instruction —1 All sorts of Drawing 2 All sorts of Painting, 3 Commercial Designs, 4 Clay modelling, 5 Photography, 6 Bromide finishing

Fees —There is no tuition fee for the students

The school session commences from June

The classes of the school are open to all students and outsiders for special study of Art

Students are required before admission to submit their works showing their ability to profit by the course of study proposed, or to undergo an Entrance Examination or any similar test at the school

Drawing Section—Time required is about 3 years

Painting Section—Time required is about 3 years Boys who have completed the course of Drawing up to final Drawing are allowed to take up painting

MAYO SCHOOL OF ARTS, LAHORE.

The work of the school is divided into five main sections —

Preparatory Sections, Industrial Arts Section, Commercial Art Section (Drawing and Lithography), Trade Painters and Decorators Section and Fine Art Section

The Preparatory Section —One year's course Instruction is given in Drawing, Clay Modelling and Handicraft, such as Wood-work, Metal-work and Decorative Painting

Industrial Arts Section —Three years' course Instruction is given in the following subjects—Cabinet Work, Blacksmithy, Coppersmithy and Silversmithy, Jewellery and Enamelling, Modelling in Clay and Plaster casting, Lacquer Work on wood

Fees vary from annas 8 to Rs 2 P M and Rs 5 for Special Fine Art Class

SCHOOL OF ARTS AND CRAFTS, MADRAS

The minimum time suggested for any one course is three years and maximum allowed is from 5 to 6 years The students are started according to their individual ability Courses of study are Wood Work (including Cabinet making and Wood-Carving), Metal Working, Jewellery, Wood and Copper-Plate Engraving and Die Sinking, Lacquerwork and Painting, Design, Modelling, Advanced Drawing and Enamelling

Boys from the age of 12 years are admitted Students are admitted in the first week of July, provided seats are available

SCHOOL OF ARTS, TRIVANDRUM, TRAVANCORE.

The institution imparts instruction in Drawing, Ivory Carving Pottery work, Smithery and Lacquer work Admissions are made generally twice a year as vacancies arise The course extends over

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

a period of four years, i e two years for the first term and another two years for the second term The stipend at the rate of Rs 5 per mensem is paid to each apprentice for the first term and Rs 7 per mensem for the second term The minimum qualification for admission as a stipendiary is either the passing of the Vernacular seventh class or third form of an English High School Generally pupils who are below 12 years of age are not admitted They are coached up to the Madras Government Technical Examinations in Drawing and the syllabus laid down for the same is followed here Besides the stipendiaries, other students are also admitted and given instruction only in Drawing and they have to pay a fee of Rs 12 per annum for the Lower Grade and Rs 18 for the Higher Grade payable in eight instalments The school year commences from the first working day of the month of Thai of every year and there will be a vacation for two months Pupils who wish to study any one of the handicrafts such as Carving, Smithery, Pottery and Lacquer work are also admitted and given instruction in the particular subjects on payment of the fee of one rupee per mensem for each subject There is no boarding arrangement in this institution

SIR J J. SCHOOL OF ART, BOMBAY

The course of study in the Elementary Drawing School is of 2 years The Advanced Schools of Drawing and Painting, Design, Modelling and Architecture (5 years' course) provide instruction to students desirous of following the professions of Painter, Designer, Modeller or Architect The Normal School for Drawing Teachers is intended for students who propose to become Drawing Teachers in Government and Aided Schools The Reay Art Workshops teach the following artistic crafts, metal work, wood work, stone carving house painting and decorating The workshops are intended for the instruction of the sons of artistic craftsmen The Commercial Art Section gives a training in all branches of Commercial work to train students for the various Commercial Art Studios

Applications must be made not later than 31st March

Students seeking admission to the School in Architecture (six years course) must have passed (1) the Government of Bombay School Leaving Examination or its equivalent and (2) the Intermediate Grade Drawing Examination of a similar standard

The session commences in June Fees —Elementary School Rs 14 to Rs 24 per annum, Advanced School Rs 20 24, 32, 40, 50 respectively in 5 years Architecture, Rs. 60, 80, 100, 120, 140, 300 in 6 years Students outside the Bombay Presidency are charged double fees

SOUTH INDIAN SCHOOL OF ARTS,

Palace Road, Attungal, Travancore.

The school offers correspondence course of instruction in Drawing and Painting to any one above the age of seven on oriental and western model All sorts of drawings and paintings for various subjects in Engineering, Manufacturing and Industrial lines are taught Coaches up pupils for the Madras Government Technical Examinations in Drawing and Painting Instructions are given in English language

Fees Elementary Course in Drawing and Painting Rs 15 to be paid in full or in 5 instalments

SUPPLEMENTARY LIST.

Mysore Government Arts and Crafts Institute, 4, South Parade, Bangalore.

School of Art, Jaipur

Opportunity Books from Industry Press Write for recent catalogue
INDUSTRY PRESS, SHAMBAZAR, CALCUTTA.

COMMERCIAL INSTITUTIONS.

ALEXANDRA COLLEGE OF COMMERCE,

York Building, Hornby Road, Fort, Bombay.

The College undertakes to coach for the following examinations.—Society of Incorporated Accountants and Auditors, Corporation of Accountants, Institute of Bankers, Incorporated Secretaries' Association, Corporation of Certified Secretaries, London Chamber of Commerce, National Union of Teachers, Institute of Commerce (Birmingham), Indian Merchants Chamber Examinations.

The Courses cover the following subjects:—Advanced Accounting, Advanced Auditing, Book-Keeping & Accountancy, Banking, Currency & Exchange, Business Organization, Commercial Law, Costing, Commercial Correspondence, Economics, Life, Fire & Marine Insurance Work, Secretarial Work & Practice, Theory & Practice of Commerce, Shorthand (Pitman's).

The College undertakes to coach by postal instructions.

ALL INDIA RAILWAY TRAINING, MEDICAL AND ART COLLEGE,

210, Victoria Park, Benares City.

Subjects taught: Telegraphy, Type-writing, Shorthand and Railway traffic (all Railway works or Station-mastership).

Fees:—Admission into College Re. 1/-. Tuition Fee per subject varies from Rs. 3 to Rs. 4 per mensem.

Combined Subjects:—Fee for any two subjects, if advance, Rs 40/-, per month Rs. 7/-.

Period:—6 months or less according to intellect of the candidate A candidate finishing his course in less than 6 months can get a certificate on completing full course and on passing the examination.

Lodging: Lodging, with charpai, Water, Electric Light and Privy on Rs. 2/8/- per month.

AMERICAN CORRESPONDENCE COLLEGE,

Incorporating Pitman's School (India).

Sohungunj, Kothishora, Subzimandi, Delhi.

The College undertakes to coach by postal and oral tuition for the following examinations:—

London Chamber of Commerce (London), National Union of Teachers (London), Faculty of Secretaries (London), Institute of Commerce (Birmingham), Faculty of Teachers in Commerce (London), Association of Book-keeping Teachers (London), Institute of Book-keepers, (London), Pitman's Commercial Examinations (London), Indian Merchants' Chamber (Bombay).

The postal courses cover the following subjects:—Book-keeping and Accountancy, Shorthand (Pitman's, Gregg, Sloan Duployan, and Clark's), Typewriting, Commercial Correspondence, Commercial Geography, Advertising, Commercial Arithmetic, Handwriting, Life, Fire and Marine Insurance, etc., etc.

Admission to the college is open to those having a fair knowledge of English. Students Admission open throughout the year.

Diplomas and certificates are awarded to successful candidates. The College also prepares for the D. Com. (I.M.C.) degree through postal tuition.

The college is also a local examination centre for the London Chamber of Commerce, Royal Drawing Society (London), Institute of

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Book-keepers (London), Faculty of Teachers in Commerce (London), Institute of Commerce (Birmingham), National Union of Teachers (London), College of Preceptors (London), etc, etc examinations

CALCUTTA COLLEGE OF INSURANCE,
44/1, Bowbazar Street, Calcutta.

Offers training in insurance (M I E S and A C I. I examinations) One year's course

CITY TELEGRAPH AND COMMERCIAL COLLEGE,
121-B, Bowbazar Street, Calcutta.

Telegraph & Ry Traffic Dept—Courses of study are (1) Telegraphy (9 months' course, Rs 8 monthly), (2) Wireless telegraphy (Full course Rs 200), (3) Railway Traffic (Rs 4 monthly), (4) Type Telegraphy (Rs 9 monthly) and (5) Postal Signaller's Course (Rs 12 monthly)

Commercial Dept—Courses of study are Shorthand (6 months' course and 6 months' course for speed, Rs 4 and Rs 3 monthly), Typewriting (3 months and 3 months for speed Rs 3 and Rs 3 monthly) Book-Keeping (Junior & Advance) (9 months' & 9 months' course, Rs 5 and Rs 6 monthly) and Accountancy (1½ yr, Rs 10 monthly) Full course Concession Payment system available

COMMERCE COLLEGE,
10, Clive Row, Calcutta

There are four courses of training Session from July to March Regular classes are held in evening

(A) The Institute of Actuaries, London A I A Associateship Examination Course 3 years Fees Rs 10/- per month

(B) The Chartered Insurance Institute, London A C I I Associateship Examination Course 2 years Fees Rs 6/- per month

(C) Institute of Bankers, London A I B Examination Must be an employee of a Bank Fees Rs 6 per month

(D) R A First Examination Accountancy and Auditing Fees Rs 5 per month

Candidates for the London Chamber of Commerce, P W D Examinations and Rly and Govt Competitive Examinations are also coached

CORONATION COMMERCIAL COLLEGE,
Bunder Road, Karachi.

Subjects taught include Book-keeping and Accountancy, Higher Accountancy, Auditing, Mercantile Law, Banking and Currency, Business Methods, Theory and Practice of Commerce, Commercial History, Commercial Geography, Commercial Arithmetic, General English and Commercial Correspondence Shorthand, Typewriting, Office Management, Economics and Taxation and also the Degree Courses

Admission to the College is open to those having a fair knowledge of English

The Government Diploma in Accountancy and other Degree Classes are conducted according to two terms, 20th June to 10th October, 10th November to 10th March

Higher Courses Rs 50 per term, other courses and single subjects, average Rs 6 per month per head per subject Messing charges approximate Rs 30 to Rs 35 per month

The college is the local centre for examinations of The National Union of Teachers, London, The Institute of Book-keepers, London, The London Association of Accountants, London, The Clark's College

Solve unemployment Problem? Read "Careers for Agents & Middlemen."
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Ltd., London; The Corporation of Accountants, Glasgow; The Faculty of Teachers in Commerce, Birmingham; The Phonetic Institute, Bath.

DAVAR'S COLLEGE OF COMMERCE, LAW, ECONOMICS AND BANKING.

80-82, Esplanade Road, Fort, Bombay.

This College is the oldest College of Commerce in India, being established in the year 1900. It is recognised by the Director of Public Instruction, and is affiliated with All-India Accountancy Board for Company Auditors' Examinations. There are Specialised Courses in Banking for Diplomas for the English Institute of Bankers (C. A. I. B.); the Indian Institute of Bankers (Cer. A. I. I. B.); the Company Auditors (R. A.); Diploma of the Incorporated Secretaries' Association of London (F. I. S. A.); the Chartered Insurance Institute of London (A. C. I. I., F. C. I. I.); and Incorporated Sales Managers' Association of England; Association of International Accountants of England (A. I. A. C.). Lectures are also given on Gregg Shorthand as well as for Senior Commerce subjects for Diploma and Certificate Examinations of the London Chamber of Commerce held under the auspices of the Government Education Department and those of the Indian Merchants Chamber, D. Com. (I. M. C.).

Courses of study:—(1) Book-keeping and Accountancy. 1 year's course, Fees Rs. 100. (2) General Commercial course (London. C.C. & D.Com., I.M.C. including No. 1 Course), Fees Rs. 200; (3) Registered Accountants First Examination Course including Nos. 1 and 2 Courses), one year's course, Fees Rs. 225; (4) Specialised Banking course (C.A.I.B.) (Cert. A.I.I.B.); (5) Specialised Company Secretarial Course, (F.I.S.A.), (A.I.S.A.), Fees Rs. 350; (6) Specialised Professional-Accountancy Course (A.C.P.A.), (F.C.P.A.) Fees Rs 350; (7) International Accountants Course (A.I.A.C., F.I.A.C.), two years course, Fees Rs. 350. (8) Specialised Accountancy Practice (Corporation of Accountants—Glasgow), (A.C.R. A.) (F.C.R.A.) Inter and Final two years Course, Fees Rs. 300; (9) Specialised Insurance Experts Course, Associateship Examination (A.C.I.I.), Fees Rs. 350; (10) Specialised Insurance Experts Course Fellowship Examination (F.C.I.I.), 2 years after Associateship Examination. Fees Rs. 500; (11) Incorporated Sales Management Course (M.I.S. M.A.) two years course, Fees Rs. 350 and (12) Gregg Shorthand Course, Theory and Speed Combined. four months course, Fees Rs. 30. Fees are allowed a rebate of 10%, if received full in advance. Arrangements for Postal Tuition.

Postal Tuition:—A Special Department for coaching up-country students from India, Burma, Ceylon, Mesopotamia, etc., through post is also being worked for a number of years with great success side by side with personal teaching.

GEORGE PHONETIC SCHOOL,

Benares City.

Subjects taught include Shorthand, Typewriting, Book-keeping, Higher Accountancy, Telegraphy, Photography and Correspondence.

GEORGE TELEGRAPH TRAINING INSTITUTE,

136, Bowbazar Street, Calcutta.

Offers training in Shorthand and Typewriting, (Also special Ladies' Section), Book-keeping, Higher Accountancy, Telegraphy, Wireless Telegraphy, etc. Matrics, under-graduates and graduates are eligible for admission. Period of training and monthly fees, Telegraphy (Postal Standard) 12 months, Rs. 10; do. (Railway Standard) 9 months Rs. 8; Railway Traffic 8 months, Rs. 5; Wireless Telegraphy 12 months Rs. 20;

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Shorthand 6 to 9 months, Rs. 5, Typewriting 6 months Rs. 3, Book-keeping (Junior) 6 months Rs 5, do Advanced 12 months, Rs 8, Accountancy 18 months, Rs 10

Final examinations in Wireless Telegraphy are conducted by an officer deputed by the Director General, Wireless Telegraphs, Delhi

GOVERNMENT COMMERCIAL INSTITUTE,
12, Hastings Street, Calcutta.

Courses of study for day classes (a) English, Commercial Correspondence, Machinery of Business, Indexing and Precis writing, (b) Commercial and mental Arithmetic, (c) An Indian Vernacular, (d) Commercial Geography and (e) Book-keeping Optional-Shorthand and Typewriting 2 years' course Admission fees Rs 5 and Tuition fees Rs 5, monthly payable from June to May of each year

Evening Classes —One or more of the following subjects can be taken —(1) Modern English, (2) Economics and Economic Geography and (3) Banking and Currency including Foreign Exchange—all these three bearing the title (L I B) (4) Annuities and Insurance, (5) Book-keeping and Accountancy, (6) Accountancy and Auditing, (7) Mercantile Law (8) Nos 6 and 7, Book-keeping (advanced), (9) Shorthand (Theory and Speed) and (10) Typewriting

No admission fee is charged Tuition fees are Rs 3 per month for one subject, Rs 4 monthly for 2 subjects and Rs 6 monthly for any 3 subjects

HARDINGE COMMERCIAL INSTITUTE,
82-2E, Cornwallis Street, Calcutta

Shorthand, Typewriting and Book-keeping are the courses Scales of fees are —Shorthand Theory Rs 3 Shorthand speed Rs 2, Typewriting (junior), Rs 2, Typewriting (senior), Rs 3, Book-keeping (junior) Rs 3, (Advance) Rs 4 When two combined courses are taken a deduction of Re 1 is allowed and when three subjects are so combined the deduction is Rs 2

INDIAN MERCHANTS' CHAMBER,
Jehangir Wadia Building, 51, Esplanade Road, Fort, Bombay.

With a view to encourage the spread of commercial education among Indians, who select business as career, the Indian Merchants Chamber has instituted a Commercial Examination Board to conduct under their auspices Commercial Examinations The Examinations are conducted on lines similar to those by various other foreign institutions and are divided into two classes, namely, Diploma and Certificate Examinations Certificate Examinations are again divided into two grades, "Junior" and "Senior"

LUCKNOW CHRISTIAN SCHOOL OF COMMERCE,
Lucknow Christian College, Lucknow.

Subjects taught —Shorthand in English, Urdu and Hindi, Typewriting in English, Book-keeping and Accountancy, General Business Methods, Commercial and Official Letter-Writing, English, Manifolding, Precis Writing and Drafting The School is a centre for the London Chamber of Commerce Examinations which are conducted twice yearly in May and November

Fees —One subject Rs. 6 per month, Two subjects Rs 8 per month, Three subjects Rs 10 per month, Urdu Shorthand Rs 10 per month, Hindi Shorthand Rs 10 per month, Athletics, Library, Fans, Literary Society Re 1 per month The school is a centre for London Chamber

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of Commerce Examinations, which are conducted twice yearly in May and November

PREMIER TELEGRAPH TRAINING COLLEGE,
Chandernagore & Naihati

Offers training in Telegraphy, Shorthand and Typewriting Fees Rs 4 and Rs 2, per month. Boarding Rs 5

SCHOOL OF PITMAN'S SHORTHAND AND TYPEWRITING,
Krishna Kumar Ashram, Ambal Pura, Chanthai Peth, Puddukotah, S. India.

Offers training on Stenography Individual and Postal Tuition is given in Pitman's Shorthand—English and Tamil and Typewriting for Lower and Higher grades Trains students for London Examinations

SYDENHAM COLLEGE OF COMMERCE AND ECONOMICS, BOMBAY

The College offers—(a) An obligatory general course in Economic Theory, Industrial History, Commercial Geography, Foreign Trade, National Administration, Public Finance, Statistics, Mercantile Law, and Business Organization, (b) Optional courses in special subjects, which are selected by students in accordance with the particular demands of their intended vocation, e g Banking, Accounting, Actuarial Science, the Organization of the Cotton Trade, and other to follow later on

The College is affiliated to the University of Bombay, and provides a systematic course of study leading to the degree of Bachelor of Commerce It will also offer facilities, under trained investigators for post-graduate research in connection with the many problems of Indian economic development, past, present and future

Three messes have been organised hitherto two for vegetarians, viz, one for Gujaratis, one for Decanis, and one non-vegetarian mess for students from Northern India and others The boarding charges vary from Rs 25 to Rs 30 per month The messes are managed by the students themselves

The University Examinations for the degree of B Com are—(a) The Intermediate Examination in Commerce, for which a student can appear after one year's course at the College, (b) The Bachelor of Commerce Examination (B Com), for which a student can appear two years after passing the Intermediate Commerce The examination for the degree of Bachelor of Commerce is held twice a year, viz, on the Fourth Monday in March and on the Second Monday in October and subsequent days

Candidates for admission to this College must, if they desire to take a University degree, have passed their Matriculation Examination, and must besides, possess one or the other of the following qualifications —

(a) If they belong to the University of Bombay, they must produce a certificate from the Principal of an Arts College, affiliated to the Bombay University, showing in a form prescribed by the University, that they have satisfactorily carried out the work appointed for the first two terms in Arts,

(b) If they belong to any other Indian University, they must produce a certificate that they have completely passed the Intermediate Arts or Science Examination of that University in each subject prescribed

(c) The passing of the Intermediate Examination in Arts or Science subjects completely of the Boards of High School and Intermediate Education of the United Provinces, Rajputana, Central

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India and Gwalior, will also qualify a candidate for admission to this College.

Admission to the degree courses is accorded only at the commencement of the first term in June. Candidates for admission should apply by letter stating their full University qualifications. The applications should be sent so as to reach this office by 13rd June.

Applicants, except graduates, must pass an entrance test. This test is held a few days before June 15th.

A fee of Rs. 100 per term is charged to students, who take the full University degree course, and must be paid in advance at the commencement of each term. The rate of fees payable by students from Indian States and other provinces is Rs. 125 per term.

SUPPLEMENTARY LIST.

Accountancy Classes, 3/1, Bankshall St., Calcutta.

Batliboi's Accountancy Training Institute, Yusuf Bldg., Church Gate Street, Fort, Bombay.

Bengal S. D. Shorthand Institute, 150, Lower Circular Road, Calcutta.

Bihar Commercial College, Mithapore, Patna.

Central School of Commerce, 18, Kamtchi Josier St., Kumbakonam.

Commercial Academy, 72/A, Ashutosh Mookherjee Road, Calcutta.

Govt. Institute of Commerce & Accountancy, Bangalore.

Government School of Commerce, Calicut.

India School of Accountancy, Post Box 2020, Calcutta.

Indian Commercial College, Chawk Kutchary Bazar, Sargodha.

Kalbadevi Shorthand & Typewriting Institute, Kalbadevi Road, Bombay.

Leutin's Commercial College, 33, Medows St., Fort, Bombay.

Madras College of Commerce, Oriental Assurance Bldgs., Armenian Street, Madras.

Master's College of Commerce, 3/1, Bankshall St., Calcutta.

Metropolitan School of Commerce, Trichinopoly.

Padhye's Shorthand & Typewriting Institute, Thakurdwar, Bombay No. 2.

Royal Telegraph School, Ballimoran, Delhi.

Shorthand Typewriting School, Jonesganj, Jubbulpore, C. P.

ENGINEERING SCHOOLS & COLLEGES.

ACADEMY OF ENGINEERING,

Andar Street, Teppakulam P.O., Trichinopoly.

The Academy conducts classes in civil and mechanical Engineering solely for external students and fits persons for offices as Draftsmen, Surveyors, Mechanics, etc.

The tuition consists of instruction sheets, akin to oral lectures, mailed regularly besides tuition for a fortnight per term at the Academy.

Each course covers a period of two years and the fee per course is Rupees one hundred and fifty or six instalments of Rs. 27-8 each payable before the first mail day of each term.

The supplementary tuition fee is Rupees ten per term. Examination fee is Rupee one and annas eight per term. Diploma examination (subsequent appearance) Rupees Five only.

Admission is open at the beginning of every term to holders of S. S. L. C. or equivalent irrespective of optionals. Applications for admission shall be submitted by letter a week in advance of the term specifying the course chosen.

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BENARES HINDU UNIVERSITY, ENGINEERING COLLEGE.

Benares.

Degree Course in Mechanical and Electrical Engineering Minimum qualification for admission—Intermediate Examination with Mathematics, Physics and Chemistry The course of study is for 5 years, the fifth year being entirely devoted to Practical Training which is carried out at some establishment outside the University

Tuition and other fees are realised in eight instalments from July to February at Rs 26-2-0 per instalment In March, the amount of Rs. 16-8 on account of hostel rent, etc for the remaining months is also realised The applicants are advised to apply early in January The session starts on the first Monday of July Age limits—up to 21 years in case of I Sc students of any University B Sc students, if they are slightly over-age may be considered

Diploma Course This course has been discontinued until further notice

Apprentice course The Course is for five years The boys under 16 are not admitted Previous school training although an advantage is not compulsory A boy coming is admitted for training in one "trade" only

The students of this Course have to make their own arrangement for board and lodging The working hours are from 8 A M to 11 A M, and again from 12 noon to 4 P M during all seasons

The price of the Prospectus of the College is Rs 2/8/- and that of an admission form is annas eight only

The **technical section** of the College provides training in soap making, pharmaceutical chemistry, etc

Department of Mining and Metallurgy, Benares

The University offers a four-year course leading to the degree of B Sc in Mining and a four-year course leading to the degree of B Sc in Metallurgy to students who have passed the Intermediate Examination, with Physics and Chemistry, of an Indian University or Board of Intermediate Education established by an Act of the Legislature Candidates who have passed the Intermediate Examination without Mathematics, will, if admitted, be required to undergo a preparatory course in the subjects after admission and to pass a Departmental Examination in the subject in November

The tuition fees for the First and Second year courses are Rs 12 per month, and those for the Third and Fourth year courses Rs 15 per month, payable for only eight months in the year

Hostel accommodation is generally available at Rs 3 per month

Messing expenses ordinarily amount to Rs 20 to Rs 30 per month

Ten per cent of the students are granted full-freeships and another ten per cent half-freeships

Applications for admission to the courses should reach by the 20th June, along with a fee of Rs 2 and a character certificate from the Principal of the College where the student last read Later applications may be considered if accompanied with a fee of Rs 5

The courses begin on the 8th July

The Department is working in close association with the Engineering College of the University, where training in Mechanical and Electrical Engineering subjects is given to the Mining and Metallurgy students during their First, Second, Third and Fourth year courses

The B Sc, degree in Mining of the Benares Hindu University has been recognised by the Government of India for the purposes of

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Regulations 34, 35 and 39 of the Indian Coal Mines Regulations, 1926. In virtue of this recognition, Mining grades of the University are entitled to two years' exemption from practical underground training required of candidates appearing at the Govt. First Class Colliery Managership Examination, one year's exemption at the Second Class Managership Examination, and two years' exemption at the Sirdarship Examination.

BENGAL ENGINEERING COLLEGE, SIBPUR, HOWRAH.

Civil, Mechanical & Electrical Engineering Classes. Minimum qualification is pass in the I.A., or I.Sc., in Mathematics, Physics or Chemistry. An entrance examination in drawing takes place in June. All students must be residents.

Entrance fee (recurring yearly as above) Rs. 5; monthly cost of messing about Rs. 15, ordinarily payable for 9½ months of session.

Civil Engineering Classes—four years' course leading to the B. E. Degree. Candidates must be below 21 years of age. Tuition fees—Regular Students—Intermediate Classes—Rs. 160 per session in eight instalments of Rs. 20. Graduated Classes Rs. 200 per session in eight instalments of Rs. 25. Occasional students pay 50 per cent. extra in each class.

Mechanical and Electrical Classes—Apprenticeship Admission Examination is conducted twice yearly in January and June. Full Course 6 years.

Tuition fees are payable in eight equal monthly instalments. For Regular and Special students the fee is Rs. 100 and Occasional students Rs. 200 per session.

BENGAL, SURVEY SCHOOL, MAINAMATI HILLS.

Full course two years. First year course corresponding to the Amin standard, begins from the 1st August. Second year or the Survey Final Course, begins not later than 1st November.

Applications for admission to the first year course and second year course must be made on or before the 30th June.

The qualifications for admission to the first year course are:—Knowledge of elementary arithmetic and simple English and some vernacular. The qualifications for admission to the second year class are:—An Amin certificate granted by the Survey Education Advisory Board; a Matriculation-pass.

Age limit for the candidates for first and second year course is below 21 and 22 repectively.

Fees:—First year students Rs. 2, 2nd year students Rs. 4, Special students Rs. 5.

BENGAL SURVEY SCHOOL,
P. O. Survey School, Dt. Tippera.

Applications for admission to the First-year Class accompanied by a Registration fee of Rs. 3/- are received up to 30th June.

BIHAR COLLEGE OF ENGINEERING, BANKIPORE, PATNA.

Civil engineering course extends over four years and is followed by a year of practical training. The minimum qualification for admission is a pass at I.Sc., examination. No age-limits have been prescribed for the present.

Fees:—Admission Fee Rs. 8. Tuition Fee Rs. 8 monthly, Hostel Fee Rs. 4 monthly, Students' Club Subscription, Rs. 5.

The cost of books, etc., amounts to Rs. 100 approximately.

Civil Engineering Subordinate Department.—The educational qualifications for admission are a pass at the matriculation or school final

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examination or any examination accepted as their equivalent Candidates must be under 20 years

The course extends over three years and is followed by a year of practical training Tuition fees (per mensem) Rs 3 for Domiciled Candidates and Rs 5 for Non-domiciled Candidates

The approximate cost of books, etc amounts to about Rs 80

Industrial Diploma Department—The qualification for admission is middle vernacular the course extends over 5 years and the medium of instruction is Hindustani Age limits are 15 to 19 No tuition fees Small stipends to 16 Beharees who do best in Extra Examination

CALCUTTA ENGINEERING COLLEGE,

18, Ekdalia Road, Ballygunge, Calcutta.

Offers training in —1 Mechanical & Electrical Engineering, 2 Civil & Mechanical Engineering (including Overseer Course), 3 Industrial Science Course, 4 Agricultural Engineering Course 5 Automobile and Electrical Engineering, 6 Electrician Course, 7 Vocational Training Course

Training is given mostly on Practical and modern lines The College is fitted with most up to date instruments, machineries, laboratories of all kinds and boys are taught to do every thing with their own hands

Matrics and Non Matrics are admitted in all courses In cases where boys cannot follow lectures in English, they are taught wholly in Bengali There is a hostel attached to the College Session begins from August

CIVIL ENGINEERING INSTITUTE, LUDHIANA, PUNJAB.

Civil Engineering Class —F Sc's & F A's can be admitted to this class Admission fee Rs 50, to be remitted with admission form First instalment on joining Rs 200 Three instalments of Rs 250, each quarter Course about two years

Subordinate Engineer Class —Education up to Matric Admission fee Rs 50, to be remitted with admission form Rs 250 at the time of joining Course about 15 months

Special Overseer Class —Rs 400 in advance Course about 10 Months

Lower Subordinate Class —Education up to Middle Standard Admission fee Rs 50 to be remitted with admission form Tuition fee of Rs 100 to be paid in advance on joining Course about 15 months Special Suboverseer class Rs 200 in advance Course about 10 months

Surveyor & Draughtsman Classes —No special qualification Admission fee Rs 5 Rs 70 on joining Course about one year

COLLEGE OF ENGINEERING, BANGALORE.

The College trains students for the B E Degree Examination of the Mysore University and provides instruction in Civil Mechanical and Electrical Engineering subjects Students who seek admission into the College should not ordinarily be under 17 or above 22 years of age on the 1st June immediately preceding the date of admission into the College Candidates for admission must be preferably Mysoreans by birth or domicile and must have passed the Intermediate Examination (with Mathematics Physics and Chemistry as Optionals) of this or any other University and in the case of non-Mysoreans admission being restricted to those whose qualifications are recognised by the University Council

Applications for admission should reach the Principal complete in all respects, not later than **15th June nor earlier than the 15th May**

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preceding. Applicants will have to remit an admission fee of Rs. 10 with their application. This fee will be refunded if they are not selected for admission. The number of seats available at present is fifty and selection will be made from amongst the applicants. Selected candidates should appear before the Principal on a date to be fixed by him not later than the 27th June.

The tuition fee is Rs. 150 per year for Mysoreans and Rs. 250 per year for non-Mysoreans and is payable in two equal instalments, the first on admission in June and the second in November. Sports, Union, Admission and other fees amounting to Rs. 21 per annum are payable on admission. Each student on admission is required to deposit Rs. 10 against loss or damage to tools, apparatus and library books.

The course extends over four years followed by a year's practical training. The College course commences on the 24th of June and ends on the 31st March following.

Each student must provide himself with the necessary set of drawing instruments and text-books, prescribed. The cost of these for the whole course will be about Rs. 350.

A hostel is attached to the College which provides boarding and lodging for about 30 students and the expenses amount to about Rs. 21 per student per month.

COLLEGE OF ENGINEERING, MADRAS.

Courses of study:—B. E. degree in civil engineering, mechanical engineering and electrical engineering. Candidates must have passed I.Sc. Examination in the group of Mathematics, Physics, and Chemistry. Applications for admission must reach the Principal on or before 15th June.

COLLEGE OF ENGINEERING, POONA.

Candidates for the degree of Bachelor of Engineering must have passed (1) I.Sc. in the group of Mathematics, Physics & Chemistry. (2) B.Sc. in Physics and Mathematics or Physics and Chemistry only or (3) Inter Arts with Mathematics as optional subject and the B.A. Examination with Physics and Chemistry as the optional subjects of the Bombay University or of a University recognised by the University of Bombay. Applications must be made before 15th May. The students should not be more than 22 years. Each student must pay in advance a half yearly fee of Rs. 150 or if his qualifying examination has been passed at any other University than Bombay or he is a native of an Indian state Rs. 200. Approximate expenses including fees, books, etc., will be above Rs. 800 during the eight months of residence in the College each year.

Workshop Diploma classes—Civil, Mechanical and Electrical Engineering courses which extend over a period of three years.

The Workshops consist of all the Departments of a Mechanical and Elec. Works i.e. Machine tool room, carpenter's section, fitter's section, blacksmith's shop, tinsmith's shop, foundry, engine and boiler rooms. Both oil and steam power plants are installed.

Fees Rs. 50 (or Rs. 75 for students from outside the Bombay Presidency) for the first half year of the course. The cost of books etc., for the 2nd and 3rd years of the course will be about Rs. 40 per annum.

COLLEGE OF ENGINEERING & TECHNOLOGY,
Jadavpur, Dhakuria P. O., 24 Pargs.

Following are the courses offered by the College:—Mechanical Engineering Course—Five years' course leading to diploma in Mechani-

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cal Engineering; Electrical Engineering Course—Five years' course leading to diploma in Electrical Engineering; Chemical Engineering Course—Five years' course leading to diploma in Chemical Engineering; Junior Technical Course—Three years' course: Survey & Draftsmanship Course—Two years' course; Agricultural Course—Two years' course.

Students who have passed the Matriculation Examination of the Calcutta University or other Examinations of similar standard are eligible for admission in the First-year class of the Mechanical, Electrical and Chemical Engineering Courses.

I.Sc. passed students with combination—Physics, Chemistry and Mathematics are eligible for admission in the 2nd year class.

Non-Matrics are admitted in the Junior Technical and Survey and Draftsmanship Courses.

Students who have passed the B.Sc., Examination (with Physics, Chemistry and Mathematics) are admitted into the Third year class in the Chemical Engineering Department.

Junior Technical Course.—Students who have read up to the Matriculation standard of the Calcutta University, or Final School Standard of the National Council of Education, Bengal, or students possessing similar qualification are eligible for admission in this course. The course is intended for turning out skilled operatives and Assistants to Foreman, Engine-Drivers, Fitters (Mechanical and Electrical) and Mechanical Draftsmen.

Survey and Draftsmanship Course comprises of Drawing; Surveying; Chain Surveying; Chaining; Field Book, Preparations of Plans and Sections; Copying Plans; Computing Areas Survey with Angular Instruments, simple & compound levelling.

For Engineering Courses the tuition fee for each complete session is Rs. 120 and is payable in monthly instalments of Rs 10. For junior Technical Course the tuition fee is Rs. 96 for each complete session and is payable in monthly instalments of Rs 8. For other courses the tuition fee is Rs. 84 for each complete session and is payable in monthly instalments of Rs. 7.

Every first year student must be prepared to provide himself with a set of Drawing instruments and other requisites which will cost approximately Rs. 30 to Rs. 40.

Session commences from July 1.

The two Hostels at Jadavpur are according to the present arrangement reserved for Hindu students of the College.

Each boarder shall have to pay the following scale of rent including charges for light and medical attendance, by the 10th of every month; Ground Floor Rs. 66 per annum; First Floor Rs. 78 per annum. The above will be paid in 10 equal monthly instalments beginning from the month of July in every session.

COLLEGE OF SURVEYING & DRAWING, BENGAL.

121/B, Bowbazar Street, Calcutta.

The following are the courses of study:—Surveying, Draftsmanship, Estimating, and Practical Engineering. A student may take up any one or more of the first three subjects; but one who is desirous of qualifying himself as a practical engineer, should take up the fourth one. The complete period of course for each subject is three years. There are arrangements with First Class Engineering Firms in Calcutta for the practical training of students taking up Engineering Course. The session commences in July each year and lasts up to 30th June of the following year.

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The qualification for admission is a pass in the Matriculation or School Final Examination of an Indian University.

DACCA ASSANULLAH SCHOOL OF ENGINEERING, DACCA.

The full course in the Civil Engineering Branch is 5 years—the first two years being termed Sub-Overseer course and the last two years—Overseer course.

The minimum entrance qualification is a pass in English and Mathematics in the Matriculation Examination but candidates passing in Mathematics are also admitted provided their marks are satisfactory. The age must not exceed 19 years and in the case of passed Sub-Overseers from minor institution, 21 years. Applications are to be sent not later than the 21st. June each year. The session commences early in July. The monthly fee is Rs. 5. The admission fee is Rs. 5. Messing and establishment charges do not exceed Rs. 12 per month.

ENGINEERING SCHOOL, OSMANIA UNIVERSITY,
Hyderabad, Deccan.

The School affords theoretical and practical instruction in subjects qualifying for the callings of Upper Subordinate of the Public Works Department, Local Boards, Municipalities and Railways. The School year consists of:—(a) A first term extending from about 21st. June to 18th. September; (b) a second term extending from about 21st November to 16th Dec.; (c) a third term from 6th January to 31st March.

Only candidates as have passed the Matriculation Examination of the Osmania University or H. S. L. C. Examination or their equivalent are eligible for admission. Candidates must not be above 21 years. Tuition fee for the session is Rs. 46. The course extends over two years. Medium of instruction is Urdu.

GOVERNMENT ENGINEERING SCHOOL.
Kamptee Road, Nagpur.

There are two departments in the School:—(1) Civil Engineering in which there are two courses: the Diploma course and the Sub Overseers' course. The Diploma course is of three years' duration at the Government Engineering School followed by a year's practical training in the Central Provinces, Public Works Department. The Sub-Overseers' course is of two years' duration followed by six months' training in the Central Provinces Public Works Department. Students qualifying for the Diploma are eligible for appointments as Upper Subordinates in the Subordinate Engineering service of the Central Provinces, Public Works Department, in the Railways, in the Municipalities and in the District Boards. Students qualifying as Sub-Overseers are eligible for appointments as Lower Subordinates in the above mentioned bodies.

(2) Mechanical Engineering Department in which there are two courses—Mechanical Engineering and Automobile Engineering. The Mechanical Engineering course is of three years' duration followed by a year's practical training in an Engineering workshop or in a steam power plant. Students are trained to qualify for appointments, as Assistant Engineer in charge of steam power plant or as Assistant Foreman or Charge-men in Engineering Workshops. The Automobile Engineering course is of three years' duration followed by a year's practical training in an automobile engineering workshop. Students are trained to qualify for appointments as Assistant Engineers with firms of Automobile Engineers.

There is a qualifying entrance examination of the standard of the matriculation examination held in the first week of July each year.

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Candidates for admission should, as far as possible, have passed the High School certificate Examination of the Board of High School Education, Central Provinces and Berar or its equivalent. They should be between the ages of 16 and 21 years on the first day of the entrance examination. Candidates up to 30 years' of age are admitted to the Civil Engineering course but they are not eligible for scholarships or Guaranteed appointments in the Central Provinces Public Works Department.

The tuition and hostel fees for the above courses are Rs. 54/- and Rs. 27/- respectively per term.

GOVERNMENT SCHOOL OF ENGINEERING, PUNJAB, RASUL.

Courses for Overseers for S. E. S. and Draftsmen commence during the 1st week of January annually. The duration of the course for Overseers is 2 years, that for Draftsmen, 2 years and 3 years.

Tuition fee:—Rs. 50/-, Hostel fees Rs. 7/- per terms. All candidates for the above classes must have passed the Matriculation Examination of the Punjab University or its equivalent and be between 17 and 21 years of age.

There is a Special course in Reinforced Concrete Construction and Design for P. W. D. Overseers and Draftsmen.

Classes are also held for Artizans and Bricklayers.

HEWETT ENGINEERING SCHOOL,
Jagat Narain Road, Lucknow, U. P.

The object of the School is to train candidates as Overseers for Subordinate Engineering Services. Course is of two years' duration. Only those students are eligible for admission who have passed the High School Examination, or Matriculation, or equivalent examination, approved by the U. P. Govt. Syllabus comprises the following subjects: —(a) Civil Engineering; (b) Mathematics; (c) Surveying; (d) Drawing, based on Civil Engineering and Building works; (e) Mechanical and Electrical Engineering; (f) General: Science, Accounts, Process Work; (g) Project and Civil Engineering Design. The Final Examination is held by the Director of Public Instruction, U. P., at the end of the two years' course. The Overseer Certificate granted by the School to successful candidates shall be endorsed by the Director of Public Instruction, U. P. Tuition fee: Rs. 350/- for two years. Instruments, books, etc. Rs. 100/; Board and Lodging expenses: Rs. 400/- for two years. There is a School Hostel.

Admission is open to all candidates, irrespective of age, caste or provincial restrictions. The Session commences from July every year, but enrolments are made much earlier than this, and are continued up till the 31st. July or earlier, if the required number is reached.

INDIAN SCHOOL OF MINES, DHANBAD.

The School provides training for the professions of Mining Engineer and Geologist. The following courses are offered:—

1. Three years' Certificate Course in Coal-Mining.
2. Do. Do. in Metalliferous Mining.
3. Do. Do. in Geology.
4. Four years' Associateship Course in Mining Engineering.
5. Do. Do. in Geology.

In the case of a student of the School, who has obtained the certificate in Coal Mining or the diploma of Associateship in Mining Engineering, the period of practical experience in a coal mine required

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of candidate desiring to appear in the examinations for Mine Manager's or Sirdar's Certificates, will accordingly be reduced as follows —

(a) In the case of a First Class Manager's Certificate—from five years to three years

(b) In the case of a Second Class Manager's Certificate—from three years to two years

(c) In the case of a Sirdar's Certificate—from three years to one year

Students holding the Certificate in Coal Mining or Metalliferous Mining of the Diploma of Associateship in Mining Engineering of the Indian School of Mines will be exempted by the Board of Examiners from eighteen months of the qualifying period of practical experience of surveying required of candidates who desire to appear at the examination for Certificates of Competency as Mine Surveyors

Qualification for admission is a pass in the Intermediate Examination in Arts or Science of an Indian University with the subjects English, Mathematics and either Physics or Chemistry The Second Entrance Examination will be held in August at Dhanbad and will consist of written papers on the following subjects Mathematics—Arithmetic, Elementary Algebra Geometry and Trigonometry, Elementary Inorganic Chemistry, Elementary Physics and English Composition

An examination and registration fee of Rs 10 will be payable by each candidate taking the School Entrance Examination at Dhanbad

The selected candidates are to pay an Admission fee of Rs 10 and a caution money deposit of Rs 50 Tuition fees will be payable by each student in two equal instalments in November and April during the School session as follows —

First and Second years, each year in two instalments of Rs 60	Rs 120
Third and Fourth years, each year in two instalments of Rs 90	Rs 180

The session will commence each year in the first week in November, and continue for a period of 36 weeks exclusive of the final certificate and diploma examinations

MACLAGAN ENGINEERING COLLEGE, LAHORE.

Mechanical or Electrical Engineering —10 vacancies each year Candidates selected on the result of an open competitive examination and a test of physical fitness The examination fee of Rs 25 must accompany the application form Candidates must be not less than 17 and not more than 19 years of age on the 1st October Fees Rs 10 per mensem for hostel and Rs 10 per mensem for tuition Messing charges Rs 30 per mensem

Training Course for Mechanics —40 vacancies each year, 20 of which are reserved for nominees of the North-Western Railway External candidates will be selected on the result of open competition in the entrance examination

NADIRSHAW EDULJI DINSHAW CIVIL ENGINEERING COLLEGE, KARACHI.

The College is affiliated to the Bombay University for the degree courses in Civil, Mechanical & Electrical Engineering The courses extend over three years, and every student has to pass (1) Inter Science in Group A (Mathematics, Physics & Chemistry) or (2) Inter Arts with Mathematics as optional subject and the B A Examination with Physics & Chemistry as the optional group of the University of Bombay or of any other University recognised by the Bombay University

To learn the art of making disinfectants, read "Manufacture of Disinfectants & Antiseptics" Re. 1-8. Industry Book Dept., Calcutta.

Tuition fees Rs 125 per term At present, the College has no Hostel of its own, but there is a private Hostel in the vicinity of the College, where some of the students are accommodated

The College also runs a three-year Diploma Course in Civil, and Mechanical & Electrical Engineering, the minimum qualification for admission being the Matriculation standard. Tuition Fees Rs 60 per term

A Class to train a few students in Wireless Operator's Course is attached to the College Lectures are held in mornings and evenings The qualification for admission is the same as the Diploma Courses The duration of the course is 1½ year and the fees charged are—Admission Fee Rs 25 and Tuition Fee Rs 150

The College is a centre for the City and Guilds of London Institute examinations

ORISSA SCHOOL OF ENGINEERING, CUTTACK.

The courses of instruction consist of two branches (1) Civil Engineering and (2) Mechanical and Electrical

(1) The Minimum qualification for the Civil Engineering Subordinate classes is a pass at the Matriculation Examination and the course consists of three years' duration at school and one year outside The school fee for natives of the Province and domiciled candidates is Rs 3 per month and for non-domiciled candidates Rs 5 per month

(2) The Mechanical and Electrical section provides training in the workshops with the necessary theory The minimum qualification for admission is the Vernacular Middle Examination The course of instruction, which is free, extends over 5 years All students get stipends ranging from Rs 5 per month in the first year to Rs 20 per month in the final year The course is divided into three classes, viz, (1) Diploma Course for those who undergo the full 5 years' course in theory and pass the craftsmanship test (2) the Chargehand course for those who complete the theory portion of the first three years and pass the craftsmanship test at the end of 5 years and (3) Journeyman course for those who complete the full 5 years' course in the workshop only and pass the craftsmanship test at the end of 5 years

PROVINCIAL INSTITUTE OF ENGINEERING,

Hoshiarpur, Punjab

There are two Courses of Instructions—Electrical Engineering Course and Electrician Course

Electrical Engineering Course—Syllabus as prescribed by the Directors of the City and Guilds of London Institute is completed in two academic years Candidates who have passed the matriculation examination or have a general education standard at par with matriculation are admitted Admission fee Rs 20, at the time of admission only Tuition fee, etc Rs 8-8 per mensem

Adequate training in Electrical Wiring, Armature winding, Battery Charging, Repair of Machines Operation, Maintenance and testing of Electrical Machinery is given in the Power House and Workshop of the Institute

Electrician Course—This course is intended to train up candidates who will be able to fill up vacancies of Switch Board Attendants, Line Inspectors, Foreman, and Electrician in Electric Supply Companies and Hydro Electric Schemes The training extends over one academic year Admission Fee Rs 15 on admission only Tuition fee etc Rs 6-8 The minimum qualification for admission is 8th standard

To learn the art of making disinfectants, read "Manufacture of Disinfectants & Antiseptics" Re. 1-8. Industry Book Dept., Calcutta.

There is a limited hostel accommodation Students are however not allowed to put up outside without the guardians permission Hostel fee with Electric light Rs 2-8 P M

The average cost of training for an engineering student approximates to Rs 120, and for a Electrician student Rs 15 including the boarding, lodging, tuition and other fees etc Engineering students shall have to pay tuition fees for 24 months for Grade I and II And the Electrician for 12 months

PUNJAB ENGINEERING INSTITUTE, JULLUNDER CITY.

There are two courses (1) Electrical Engineering Course which prepares students for the examination of the City Guilds Institute of London, the examination being held under the supervision of the Director of Industries, Punjab Government Candidates who are F A or F Sc, or First division matriculates get preference in admission But those possessing inferior academical qualifications are admitted after a test in English and Mathematics by the Institute The diploma of Electrical Engineer is awarded after two years of training for the City and Guilds of London Institute Admission Fee Rs 25 Tuition fees—First year Rs 10 p m and Second year Rs 12 p m Admissions in June

(2) Electrical Overseer's Course—Matriculation Certificate from any Indian University and a character certificate are necessary for admission to this course Candidates are admitted at any time of year or month Period of training one year Admission fee—Rs 20, monthly tuition fee—Rs 10

(3) Electrician Course—Candidates with the minimum qualification of anglo-vernacular middle pass are admitted at any time of the year or month Period of training one year Admission fee Rs 15, tuition fee Rs 8 per month

(4) Electrical Mistri Course—Candidates having certificates of passing primary school examinations are admitted Admission at any time of the year Period of training one year Admission fee Rs 10 Tuition fee Rs 6 per month

ROYAL INSTITUTION OF ENGINEERING TECHNOLOGY, DELHI

Electrical Mistry Course—Candidates over 15 years of age will be admitted to this course without regard to educational qualifications Syllabus —Simple Connections, House Wiring, Fan Repairing, Battery Charging; Electric Machinery The fee for the Mistry's Course is Rs 60 The period of instruction is three months Rent—Boarding Seat Rent Rs 16 for the term

Electrician Course—Candidates knowing English and arithmetic and over 15 years of age are admitted D C Machinery; Primary Batteries, Secondary Batteries The fee for the Course is Rs 100 The period of study is six months Boarding Seat Rent is Rs 30 for the term

Electrical Engineer Course—Students who have passed the Matriculation or other equivalent examinations or are strong in English and Mathematics are admitted. The students are prepared for the City and Guilds of London Institute Electrical Engineering Examination, Grade I. The fee is Rs. 150. The period of instruction is nine months. Boarding Seat Rent is Rs. 40 for the term Guilds' Examination fee is Rs 6 per paper. Other Courses are: Signaller Course Rs. 50, Station Master Course Rs. 75, Telegraphist course Rs. 80, written course Rs 100 There are also commercial courses.

To get in touch with Indian Manufacturers, read "Directory of Indian Industries" price As. 4. Industry Book Dept., Shambazar, Calcutta.

SCHOOL OF CIVIL ENGINEERING,
Andar St., Teppakulam Post, Trichinopoly.

The School provides training in Civil Engineering to fit up persons for Subordinate Engineering Services as Draughtsmen, Surveyors, Inspectors, etc

Admission shall be open to holders of completed S S L C or any equivalent or higher studies, in January and July

The Course extends over two years The tuition fee may be paid either in one sum of rupees one hundred or in twenty instalments of rupees five and annas eight each

THOMASON CIVIL ENGINEERING COLLEGE, ROORKEE

Civil Engineer Class—Course 3 years Candidates must not be under 17 or above 21 years of age Session commences on 16th October Application to be made not later than the 15th April An entrance examination (fee Rs 20) is held in the first week of June The minimum qualification is a pass in the Intermediate Examination or Cambridge School Certificate "with credit" in additional Mathematics, a pass in either Chemistry or Physics

Tuition fee Rs, 24 p m Hostel Rent Rs 5-12 per mensem, Books cost Rs 100, Monthly Expenses—Indians Rs 100 and Europeans Rs 136 Final Examination Fee Rs 40

Common Mess is maintained Messing Charges, Vegetarians Rs 31, Non-Vegetarians Rs 35 and Europeans Rs 40 p m

Overseer Class—Course 2 years Candidates must not be under 16 or above 21 years of age Session Commences on 16th October Application to be made not later than 1st May An entrance examination (fee Rs 10) is held in the first week of June The minimum qualification is High School Examination or its equivalent

Tuition fee Rs 6 p m Hostel Rent Re 1 p m Monthly expenses Rs 45 for Indians, Rs 80 for Europeans

Draftsman Class—Course 3 years Session commences on 16th October Applications to be made not later than 15th May An entrance examination is held in the 1st week of June The minimum qualification is a pass in School Promotion Examination in Class VIII of an Anglo Vernacular School

No fee and no rent Instruments will be supplied free

SUPPLEMENTARY LIST

Govt School of Engineering, Fort City, Mysore

FOREST COLLEGES.

FOREST COLLEGE, DEHRA-DUN.
(Imperial Forest Service Course).

Candidates must be above 19 years and below 23 years, and hold a degree in Science of a recognised University The course of students will extend over 2 years The training fees are fixed at Rs 2,400 per annum

Ranger Course—Minimum qualification is a pass in the Matriculation Examination Qualifying test examination is held in the 2nd week of December Course 2 years

Fees —The training fees are fixed at Rs 1,500 per annum This sum is payable in advance in two instalments due on October 1st and April 1st

MADRAS FOREST COLLEGE, COIMBATORE.

The College trains students for the Madras Ranger Cadre Candidates must not be less than 18 or more than 25 years of age

To get in touch with Indian Manufacturers, read "Directory of Indian Industries" price As. 4. Industry Book Dept., Shambazar, Calcutta.

The application must be made not later than the 1st September. Tuition fees payable are Rs. 1,500 per annum. General expenses are estimated to amount to Rs. 2,000 for the whole course. Coimbatore College is open to candidates coming from Bombay, the Central India States, and Native States of Southern India including Hyderabad. The Madras Forest College course lasts for 23 months, beginning on the 1st August each year. Minimum qualification is a secondary school leaving certificate or its equivalent. Approved candidates are required to undergo a course of practical training for at least 6 months in the forest under a District Forest Officer, before coming to School.

INDUSTRIAL & TECHNICAL INSTITUTIONS.

BALASORE TECHNICAL SCHOOL, BALASORE.

The school provides 5 year technical courses and 3 year artisan courses in a number of trades including, Carpentry, Painting and Polishing, Blacksmithing, Iron Fitting, Machine Shop, Power plant operation, Electric wiring, Well drilling and Pump fitting, Motor car fitting and Driving, and Commercial office work.

The workshop is run as a factory and everything made is sold so that the shop work is intensely practical. Artisan students spend full time in the workshop and acquire the skill of a journeyman in their trade. Technical students spend half time in the shop and half time in class and get the elements of a general education and trade knowledge as well as manual skills.

The minimum requirements for admission to the technical classes are Middle English passed. There are no literacy requirements for the artisan courses. Students must be over 15 years of age and obtain a certificate from the Civil Surgeon stating that they are fit to work in a factory as adults.

Tuition is free in the artisan courses, but a fee of Re. 1 monthly is charged in technical classes. The admission fee is Rs. 2-8 and a security deposit of Rs. 2-8 is required at the time of admission. Game fees are Re. 1-8 per year and are payable for six months in advance. Hostel charges are Rs. 6-8 per month payable in advance.

The term begins in January, and new admissions in the technical classes must be completed by the 15th of January each year. Artisan students may be admitted at any time provided there is a vacancy in the shop.

BERAR VICTORIA MEMORIAL TECHNICAL INSTITUTE.
Amraoti, C. P.

There are two courses, one for carpenters and another for blacksmiths. The period for either is two years. There is also a course of six months for the training of Oil Engine drivers

Applicants for admission must be between sixteen and nineteen years of age and require Fourth Standard vernacular certificate as minimum academical qualification. Application must reach the Superintendent before the 20th of May. The selection is made by the 5th of June.

Residence in the attached hostel is compulsory for all students who are not living with guardians at Amraoti.

CALCUTTA TECHNICAL SCHOOL,
110, Corporation Street, Calcutta.

The School at present offers the following courses of instruction:—Mechanical and Electrical Engineering Course, Plumbing and Sanitary Fitting Course, Electrical Wiremen Course.

Poultry Farming: A handbook on Poultry Farming and Duck Breeding. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

Mechanical and Electrical Engineering Course is of five years' (10 terms) duration They must pass either the Entrance Examination of the School for the Mechanical and Electrical Engineering Course, or the Board of Control for Apprenticeship Training Admission Examination

Session begins in July A fee of Rs 96 per annum is charged

Plumbing and Sanitary Fitting Course extends over two years Candidates must be over 15 years

A fee of Rs 96 per annum will be charged

Electrical Wiremen Course of six months Candidates must be below 20 Tuition fee Rs 30

CENTRAL POLY-TECHNIC INSTITUTE, LASHKAR, GWALIOR.

The Institute provides the following courses of instruction Mechanical Engineering (3 years) Fitting (2 years), Carpentry (3 years), Weaving Technology (3 years), Weaving Manual (2 years), Dyeing and Printing (2 years) A fourth year advanced course, intended for students passing the certificate examination of the Mechanical Engineering Course and Weaving Technology Course is also provided Successful students can appear for the respective and equivalent examinations of the City and Guilds, London

The minimum qualification for admission for these courses is that the applicant shall have passed the High School Examination or any other equivalent examination recognised by the Inspector-General of Education For other courses the minimum qualification for admission is that the candidate must have passed the Gwalior State Middle Examination

Outside students shall pay a yearly fee of Rs 36 in the first year, Rs 48 in the second year and Rs 60 in the third year of any course

Applications for admission to be made before 30th June

COLLEGE OF INDUSTRY AND TRADE,
144, Dharamtallah Street, Calcutta

Teaches the following Industries on Co operative basis —

(1) Glass mfg (2) Rubber mfg (3) Enamel mfg (4) Match mfg (5) Torch light Battery mfg (6) Storage Battery mfg (7) Electric Fan mfg (8) Electric Motor mfg (9) Electric Bulb mfg (10) Cosmetic mfg (11) Soap mfg (12) Tanning (13) Electroplating (14) Galvanizing (15) Bucket mfg

Correspondence Courses in —(1) Electrical Engineering (Diploma from U S A) (2) Cosmetic mfg (3) Soap mfg (4) Torch light Battery mfg

D B TECHNICAL SCHOOL, BURDWAN, (Established 1893).
(Aided and Affiliated under Industries Department, Govt. of Bengal)

There are 3 courses of studies —

(1) Sub Overseer Department —Generally Matriculates are admitted in July each year There is no restriction of age and monthly tuition fee is Rs. 3, besides admission fee of Rs 3, Games fee Re 1-8 and caution money deposit Rs 5 on first admission Course extends over 1 year 9 months 30 candidates are admitted

(2) Junior Technical Department —Students with M E pass or of the 4th Class Standard of H E Schools are admitted in January each year Those with age about 15 years and of good physique, are prepared for admission Monthly tuition fee is Rs 3 besides the Games and admission fees as above The course extends over 4 years and 8 candidates are admitted annually Besides English and Mathematics upto Matric Standard, Practical works in Smithy, Carpentry, Machine-

Poultry Farming· A handbook on Poultry Farming and Duck Breeding. Price As. 4. INDUSTRY BOOK DEPT, Shambazar, Calcutta
Y B 71.

shop, Fitters'-shops including making of high class pad-locks and cuttery works and theory and practice of motor car mechanism and driving, are taught to all. Two or three stipends of Rs. 8 p.m. each are awarded in each class on merits.

(3) Improved Artisan Department:—Students with knowledge of the class V standard of H. E. Schools are admitted in January each year. Boys above 12 years of age are admitted without any fees. Besides Mathematics and Literature, they are taught practical works in anyone of the above shops. The course extends over 3 years. They are charged no tuition fees; on the other hand a few stipends @ Rs. 8 p.m. each are awarded on merits.

The average monthly expenses in Messes are Rs 10 nearly.

DAYANAND INDUSTRIAL SCHOOL,
Dev Samaj Road, Lahore.

Courses of Study: Tailoring, carpentry, book binding and cycle repairing. Candidates must have read up to vernacular upper primary standard, minimum age 14 years. Sessions begin from the middle of April.

DIAMOND JUBILEE INDUSTRIAL SCHOOL, RAJSHAHI.

The following are the departments:—Sub-overseer—2 years' course. Class begins in July.

School Final for Surveying and Manual Training.

Amin—1 year's course from August.

Artisan—Carpentry, Blacksmithy and Tinsmithy, Canewares, 3 years course.

No restriction of age to the Sub-overseer & Science course classes, but the students must have completed at least 16th year for the amin and 13th year for the artisan class.

School fee will be charged from the Sub-overseer students at Rs. 2-8 and Rs. 3-8 per month, and from Amin students at Rs. 2 and Rs. 3 per month, for residents of Rajshahi District and other districts respectively.

ELLIOT BANAMALI TECHNICAL SCHOOL, PABNA.

The school consists of the following departments:—Sub-overseer department, Surveyor department, Artisan or Industrial classes.

Sub-Overseer class—Pass in the Matriculation Examination of the Calcutta University or of the Dacca Intermediate Board in English and Mathematics. Session commences from the 20th of July. The course extends over a period of one year nine months only, the first year class running from July to June and the second year class from July to March.

The full course of study for the overseer students extends over a period of 4 years. The first two years are termed the Sub-overseer course and the last 2 the overseer course.

Survey Dept.—Candidates must have passed at least the M. E. Examination. One year's course begins from August.

Motor Mechanic Class—Both theoretical lessons and practical demonstrations. Full course 2 years. Fees Rs. 2-8 per month. Professional driving course 6 months. Fees Rs. 40 for the full course.

Artisan Course—Training imparted in carpentry and smithy.

FARDUNJI SORABJI PAREKH TECHNICAL INSTITUTE,
Soni Falia, Surat.

Three years' graduated courses in Mechanical and Automobile Engineering, and Carpentry and Furniture Making, and two years' gra-

India's Food Problem: A Popular handbook series. Price As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

duated courses in Mechanical Apprentices and Motor-Mechanics, and one year's Electrical Wiremen's Course.

Fees of Rs. 11 per term (½ year) for Mechanical Engineering, Automobile Engineering and Electrical Wiremen's Courses, and a fee of Rs. 3 per term for the Mechanical Apprentice, Motor Mechanics and Carpentry Courses. Applications should be sent before the 5th June.

Session commences from June.

Candidates for admission to Mechanical Engineering and Automobile Engineering Courses must be above 15. Gujarati students who have studied upto English V. Std. and non-Gujarati students who have passed English VI. Std. are admitted. Those who possess less qualifications than above are admitted to any one of the remaining Courses.

Minimum cost of living at Surat is Rs. 15 to Rs. 18 per month.

GOVERNMENT CARPENTRY SCHOOL, ALLAHABAD.

The School is under the control of the Director of Industries U. P. Teaching is offered both in the Vernacular and in English. The School course is from 1st July to 19th May. Application for admission should reach the Principal not later than June 30th and, if necessary, an examination may precede admission.

The following classes are run:—(1) General wood-working class (Course 3 years); (2) Advanced wood working class (Course, 3 years. Admission to this class being made only on completion of the General Wood Working course or a proved capacity to undertake advanced study); (3) Teachers' Training class (Course, 2 years, admission being restricted to men who have completed the General or Advanced Classes in the Allahabad or some kindred school, or who can demonstrate their ability to take up the subjects within the period prescribed for this course); (4) Polishing and Painting Class (Course 3 years) and (5) Upholstery class (Course, 3 years). Special Classes for Factory foremen and Managers may also be arranged.

All Tuition is free and substantial prizes are given on merit each year.

GOVERNMENT CARPENTRY AND SMITHERY SCHOOL,

Quilon.

School has two sections: (1) Carpentry, (2) Smithery. The course extends over 3 years. The School year begins on the first Monday after the 15th May. Candidates for admission to the school shall be holders of the Vernacular School Leaving Certificate. Instruction imparted are both theoretical and practical.

GOVERNMENT CENTRAL WOOD-WORKING INSTITUTE,

Bareilly, U. P.

The institute trains wood-workers in the use of improved hand and machine tools and provides facilities for the training of men in the allied trades of Timber seasoning, wood-finishing and upholstery. Instruction is provided in both machine and handwork.

At present stipends are awarded in classes other than the first year with the exception of the Artisan class and prizes are awarded on the result of the year's work.

Session commences on July 1, and ends on May 20 each year and applications on the prescribed form must reach the Wood Technologist of the Institute not later than June 15 each year. Admissions are made on the result of an examination held on the opening of the session.

The following courses of instruction are provided:—

India's Food Problem: A Popular handbook series. Price As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Cabinet-making and Joinery (2 to 3 years' course), Wood-working Machinist's Course (3 years), Painting, Polishing and Wood-finishing (2 years), Upholstery (2 years), Kiln Seasoning Course (1 year)

Students to be eligible for admission to the Kiln Seasoning class must have passed the School Leaving Certificate or the Matriculation Examination and must have not less than three years' training in an Engineering School The cost of messing charges average Rs 12 per mensem. Only a limited number of students are taken each year in each course

GOVERNMENT INDUSTRIAL SCHOOL, BELLARY.

The School provides instruction in cabinet-making and smithy work on the lines and in accordance with the syllabuses of the school at Calicut with such alterations as local conditions require No tuition fee is charged and apprentices who make satisfactory progress are paid stipends as at Calicut

GOVERNMENT INDUSTRIAL SCHOOL, CALICUT.

The school was opened on the 19th July, 1920 The School provides full-time instruction in mechanical engineering, cabinet making and motor car driving and maintenance The syllabuses for the classes in cabinet-making and motor car drivers' work are based on those followed in the Government Industrial Institute, Madura The engineering and cabinet making courses are of five year's duration and the motor course six to twelve months' duration A fee of Rs 12 per mensem is charged for pupils of the motor driving course

GOVERNMENT INDUSTRIAL SCHOOL, MADURA.

The School provides apprenticeship in carpentry and cabinet making, general mechanic's work and metal work and a short special course of 12 months in oil engine driving and the care and management of running machinery

An apprentice will be allowed to take one course only—wood-work or metal work Wood working course comprises instruction in making good sound furniture, preparation and erection of wood work in buildings, rattaning, carving, painting and upholstery Metal work course includes instruction in blacksmithy, moulding, pattern making, fitting and turning, motor car repair work and also management of running machinery Course 5 years

Admissions are made on 1st July Candidates must be over 15 but under 18 years No fees will be charged for tuition The hostel fees about Rs 15 monthly Special short courses in oil-engine driving and the care, adjustment and economic running of industrial machinery are also conducted Fees will be charged at Rs 12 per month All apprentices must live in the hostel

GOVERNMENT METAL WORKING SCHOOL, ALIGARH, U. P.

There are two courses of instruction —(i) Mechanics class of three years' duration, (ii) Artisan class of two years' duration

Mechanics class—Qualifications up to middle standard The medium of instruction is vernacular, except for technical terms which will be in English Subjects taught are Drawing (Freehand, Isometric and Elementary machine), Elementary workshop Theory, Pattern-making, Moulding and Casting, Forging, General Fitting, Polishing, Elementary lathe Work, Lockmaking, Engraving, Building and Furniture fittings and Electroplating, Sheet Metal work, Pressed Metal work, and Stove Enamelling

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

Artisan class—No educational qualification necessary, except that candidates shall be literate, preference to be given to boys of artisan class The course is thoroughly practical There will be three sections (a) Lockmaking and Engraving, (b) Sheet metal work and Pressed metal work, (c) Building and Furniture Fittings

No tuition fee from students of the United Provinces Games fee Rs 3 per annum from all students Age—Ordinarily not less than 14 years

Limited hostel accommodation is available A monthly rent of Re 1 is charged for lodging and furniture The cost of board and lodging is approximately Rs 10 per month

Application for Admission should reach the Superintendent before the 1st of July Session commences from 1st July

GOVERNMENT SCHOOL OF TECHNOLOGY, MADRAS.

The following are the courses of study in the institution —

	Course	Duration	Fees
1	Mechanical Engineering	5 Years	Rs 24/- per year
2	Electrical Engineering	4 "	" 24/- "
3	Printing —		
	(a) Composing and Proof-reading	2 "	" 8/- "
	(b) Machine Minding	2 "	" 8/ "
	(c) Binding and Management for those who have completed courses (a) and (b)	1 "	" 8/- "
4	Practical Elec Wiring	2 "	" 8/- "
5	Practical Plumbing	2 "	" 8/- "
6	Mechanical Drawing Classes in		
	(a) Metal Work	2 "	" 5/- "
	(b) Wood Work	2 "	" 5/- "

Students will be admitted to only one course at a time The minimum general educational qualification for admission to the course (1) to (3) is S S L C

Diplomas of L M E and L E E are awarded to successful candidates in Mechanical and Electrical Engineering respectively Ordinary school certificates are awarded to the successful candidates in other subjects

There is also a Preparatory Section for young boys with 1st form or 8th standard qualification and who are below 14 years of age

The Perambur Branch School is attached to the Madras and Southern Mahratta Railway Workshops

GOVERNMENT TECHNICAL SCHOOL, GORAKHPUR.

Mechanical and Electrical Engineering Class—Course is of three years, followed by two years' practical apprenticeship in recognised mills and factories Management of steam engines, boilers, electric generators, oil engines, petrol motors and steam pumps, etc, are taught School workshop comprises of carpentry, smithy, foundry and machine shops and is equipped with up-to-date machine-tools

The minimum qualification for admission is class X standard of an Anglo-Vernacular School A competitive examination is held annually in July Candidates should be between 15 and 20 years of age

Artisan class is intended for those who have passed the Upper Primary Examination of Vernacular Schools or the 4th class examination of Anglo-Vernacular School Candidates for this class must be between

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

15 and 18 years of age, Fees for Mechanical and Electrical Engineering class Re 1 per mensem and Artisan, class As 8 per annum Non-U P men are required to pay Rs 360 per year as school fees

There is a hostel with 60 seats Approximate cost of living Rs 15 per month

GOVERNMENT TECHNICAL SCHOOL, JHANSI

Age limit for admission is 16 to 18 years Session commences in January The educational qualifications is (X) tenth standard An entrance examination is held

Course of training —Applied mechanics, drawing machine construction and drawing, gas and oil engines, steam and its application, magnetism, electricity internal combustion engine and train lighting and ventilation, etc etc Period of training four years, messing charges are about Rs 15 per month Fee of Re 1 for hostel and as 4 for games is charged per student per month

GOVERNMENT TECHNICAL SCHOOL, LUCKNOW

The school provides training in the following branches —

(a) (i) Engineering Mechanics course, (ii) Electrical Mechanics course The duration of course is 3 years followed by 2 years of practical apprenticeship in railways or other workshops. Admission to these classes will be opened only to those students who have passed the High School or an equivalent examination of the Senior Cambridge Examination with Mathematics and Physics as subjects in each case A competitive examination (Grade A) for admission is held

(b) Light Machine Mechanics course—Three years' training in the school Candidates who have passed or appeared for the VIII class of High Schools are eligible for admission and will have to appear for entrance examination (Grade B)

(c) Painting class—Three years' training in school Candidates should be literate in one of the Vernaculars for admission and will have to appear at an entrance examination (Grade C)

(d) Oil Engine driving class—Five months' training in school Admission to this class will be made on the 1st July and 2nd January Preference is given to candidates who are literate and have some workshop experience No candidates can be admitted to this class who are less than 18 years of age

The candidates must be between 15 and 18 years of age

Fees—Engineering Mechanics and Electrical Mechanics and Light Machine Mechanics—Re 1 per month Oil Engine driving—Rs 15 for the whole session of five months No fees are charged for Painting and Saturday Morning and Evening Classes

Hostel—A hostel is attached to the school and Re 1 per month as hostel fee (inclusive of medical fee) is charged Admission fee of Re 1 is charged extra The approximate cost of living in the hostel is Rs 15 per month

GOVERNMENT TECHNICAL SCHOOL, LAHORE

There are two major Departments —(a) Electro Mechanical Department, and (b) Toy Making Department In each of the Departments the full course is of 4 years' duration

There are also two Secondary Departments —(a) Die Sinking, and (b) Electrical Work In these Secondary Departments the Courses will be of 3 years, each

Electro-Mechanical Course—The students will be given a general idea in the following so far as they are connected with the Course — 1 Technical Drawing, 2 Pattern Making, 3 Foundry Work, 4 Sheet

Guide To First Aid An indispensable guide for every home As 4.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA

Metal Work, 5 Smith's Work, 6 Fitter's Work, 7 Die Press Work, 8 Stove Varnishing, 9 Lathe Work, 10 Electrical Work, 11 Fitting and Assembling Electro-deposition will form part of the work in all Classes

II Toy-Making—General idea will be given in —1 Technical Drawing and Toy Designing, 2 Sheet Metal Work, 3 Die Sinking by Hand, 4 Die Press Work, 5 Fitting and Assembling, 6 Pattern Making, 7 Foundry Work, 8 Elements of Clock Work as applied to Mechanical Toys, 9 Printing and Stove Varnishing, 10 Zincography, 11 Printing

The session begins on the 1st of April each year Casual students are admitted any time of the year

Applications for admission must reach this office by the 25th May 1935, when selection of candidates suitable for admission will be made Candidates must be below 20

Qualifications for Admission—The minimum standard of general education required for admission to either Departments is Vernacular Final Preference will be given to —(a) Anglo-Vernacular Middle Passed Applicants, (b) Industrial Final Examination Passed Applicants, and (c) Matriculates and those possessing higher qualifications

The tuition fees vary from Re 1 to Rs 2 per month Extra Provincial students, i e, subjects of Indian States or other non-Punjabis, are charged Rs 65 per annum as fees and not eligible for any concessions

GOVERNMENT TRADES SCHOOL, MANGALORE.

At present part time instruction is provided in the wood working and engineering trades, including motor engineering The classes consist of a mechanics course of five years' duration for the benefit of apprentices employed in general engineering in the local factories and workshops, a motor mechanic's and driver's course extending over a period of two years and a wood-worker's course of a similar duration The syllabus followed is that adopted for the engineering classes of the Perambur branch of the Madras Trades School Admission is ordinarily restricted to bonafide apprentices and workmen who are engaged in the trade

HARCOURT BUTLER TECHNOLOGICAL INSTITUTE UNITED PROVINCES,

P. O Nawabganj, Cawnpore (E I Railway)

The aims and objects of the Harcourt Butler Technological Institute are (a) to be a centre of technological research with a view to promoting the industrial development of the United Provinces and of the country, and (b) to be a recruiting centre for technologists qualified to occupy positions on the supervisory staffs of selected industries

There are three separate sections in the Institute—(1) General Research Section, (2) Sugar Section, and (3) Oil Section

General Research Section—There is no regular teaching in this section but advanced research workers who possess a degree in science or agriculture are admitted for a period of two years, the number being limited to a maximum of two each year These advanced research workers by actual work receive training in methods of industrial research being associated with and helped by the staff of the section

In the sugar section there are five courses—(1) A two years' diploma course for sugar technology for which the minimum qualification for admission is B Sc degree in science or agriculture, to which twenty students are admitted (2) A two years' post diploma course to which two students, who have obtained the diploma of the Institute,

Guide To First Aid: An indispensable guide for every home As 4.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA

may be admitted each year (3) A two years' course for sugar analysts to which students who have passed the Intermediate Examination with science are admitted (4) A one year's course for sugar boilers to which students holding a High School Examination Certificate are admitted (5) A one year's course for foremen in the "Khandsari" industry to which students who have completed a course of training in a recognized technical school are admitted Fifty per cent of the seats in courses (1), (3), (4) and (5), above are reserved for the **bona fide** residents of the United Provinces and the rest for the nominees of the Imperial Council of Agricultural Research

Oil Section—There are three courses in this section (1) A two years' diploma course for oil technologists to which ten students who possess the B Sc degree in science or agriculture are admitted every year (2) A two years' post diploma course to which two students, who have obtained the diploma of the Institute, may be admitted each year (3) Three short courses of six to eight months for those possessing the B Sc degree in science or agriculture in (i) oil milling, (ii) soap making or (iii) the preparation of oils, paints and varnishes Fifty per cent of the seats in courses (1) and (3) above are reserved for the nominees of the Imperial Council of Agricultural Research and the rest for the **bona fide** residents of the United Provinces

No tuition fee is charged from U P students Non U P students are admitted only on payment of Rs. 500 per annum for the regular courses, i e the major of two years' duration, and Rs 25 per month for the minor courses Candidates nominated by the Imperial Council of Agricultural Research for the sugar and oil sections are, however, exempted from paying any tuition fee

The application for admission should be made in the attached form and should reach the Principal complete in every respect before June 10 A deposit of Rs 15 should be sent along with the application

There is a hostel attached to the Institute It provides accommodation for about seventy students A fee of Rs 3 per month per student is charged Students make their own messing arrangements

INSTITUTE OF RURAL RECONSTRUCTION,

Sriniketan, Surul P O, Bolpur, Birbhum.

The Institution is well equipped for the training of apprentices in the following crafts —

Weaving, Durry, Carpet & Ashana-making, Dyeing & Printing, Batik Work, Embroidery, Lacquer work, Leather work, Book-binding, Goldsmithy & Enamelling, Carpentry, Metal Work and Cardboard Work

A limited number of apprentices (both men and women) are taken in all the departments and instruction is mainly practical The length of each course varying from one month to a year is determined by the respective superintendents and depends in each case on the age and previous training of the apprentice concerned Admissions are made according to the seasonal convenience of the various departments and training is continued until the apprentice has acquired an earning capacity Job work is provided to the trained students as far as possible

Fees Admission fee Rs 2 Tuition fee (for each subject) Rs 2, monthly Caution Money to be refunded at the end of apprenticeship period, on the completion of the course Rs 5, Laboratory & Wastage charges to be determined according to individual cases by Superintendents in charge—for each department, not exceeding Rs 5

Cattle Breeding & Dairying: A handbook on keeping Cows. As. 4.
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Scholarships A limited number of free tuition and scholarships are available for deserving applicants Concession in fees may be granted to apprentices from rural areas of the Birbhum district

Free lodging with minimum furniture is provided for apprentices, and the Institute maintains a general mess run by the apprentices themselves The food expenses vary from Rs 6 to Rs 12 according to the convenience of the members enrolled

All correspondences to be addressed to Sriniketan Sachiva

J N TATA HUNARSHALA (TECHNICAL INSTITUTE), Khushrooh Bldg., Navsari, Baroda.

The Institute at Navsari (B B & C I Rly), has the following courses of instruction (1) Mechanical Engineering (2) Workshop apprentice course and (3) Cabinet making course Each course takes three years Mechanical Engineering classes admit students who have passed VII Standard The term commences from June 15th Students passing three years annual examination are awarded high grade diploma certificates The workshop of the Institute is well equipped with all sorts of machineries and different types of engines Fees for mechanical Engineering are Rs 11 The same for workshop apprentice course and Rs 4 for cabinet making

JAMSHEDPUR TECHNICAL INSTITUTE, JAMSHEDPUR

The Tata Iron & Steel Company are prepared to consider applications for admission to the Jamshedpur Technical Institute, from Indians who wish to take up a career at the Company's Works at Jamshedpur and who possess Any One of the following qualifications —A Degree or Diploma in Mechanical or Electrical Engineering or Metallurgy of a recognised Indian or Foreign University Technical Institute or College An Honours or First Class Degree or Diploma in Mechanical or Electrical Engineering or Metallurgy of a recognised Indian or Foreign University, Technical Institute or College accompanied by not less than 6 months continuous practical experience after graduation in an Iron and Steel Works abroad

The age of any candidate on December 31st 1936 must not exceed —(1) Graduates in Engineering or Metallurgy, Foreign Universities 27 years, (2) Graduates in Engineering or Metallurgy Indian Universities 24 years

Applicants must be of robust physique and be fit to perform hard manual labour Candidates will be required to pass a medical examination by Company's Medical Board at Jamshedpur before being accepted for admission

A combined theoretical and practical training of two years duration is given at the Institute and in the Works of the Company An apprentice who fails at any time to satisfy the Management in regard to the standard of his work conduct, attendance or health will be liable to be discharged

Apprentices who have not less than 6 months continuous Works experience after graduation in an Iron & Steel Works abroad, will be paid Rs 200 per month throughout the 2 years, if it is considered that this experience is of such a nature as to merit this salary Laboratory work will not be counted as Works experience Excepting as just stated, apprentices will receive Rs 75 per month during the period of their apprenticeship if in Class A(1), or Rs 50 per month if in Class B

Apprentices who are admitted to the Institute will be required to supply a "Bondsman" (Father, close relative or guardian) who undertakes to re-imburse the Steel Company for all expenses incurred on his

Cattle Breeding & Dairying· A handbook on keeping Cows. As 4.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA

training, in the event of his failure to complete his training to the satisfaction of the authorities

The approximate inclusive cost of living for apprentices in Jamshedpur is Rs 50 per month A limited amount of room accommodation will be available in the Institute Hostel at a charge of not more than Rs 4 per apprentice per month Apprentices will provide their own food and make their own messing arrangements The Company will provide free medical attention except for treatment in the Special Ward of the Hospital for which the apprentices will have to pay 50 % of the total charges

On completion of their training, apprentices who are considered suitable, may be given employment with the Tata Iron & Steel Company, the status and salary of which will be determined by individual merit and by the posts available Trained apprentices may be required to enter into an agreement to serve the Tata Iron & Steel Company for five years

KALA-BHABAN TECHNICAL INSTITUTE, BARODA.

The Kala-Bhavan Technical Institute Baroda, offers the following Diploma Courses —(1) Mechanical, (2) Electrical and (3) Civil Engineering, (4) Dyeing, Bleaching and Calico-Printing, (5) Soaps and Oil, ( ) Weaving Technology, (7) Architecture, (8) Painting, (9) Photography and Photo-Engraving Courses Nos 1,2, 7 are of 4 years' duration All others extend over three years

There is a certificate course in each of the above (except Electrical Engineering) and Commerce Class All Diploma classes and Commerce classes are conducted in English, the certificate courses are taught in Gujarati

The standard of admission is that of Matriculation for the Diploma Courses and that for the certificate course is English Standard III or Vernacular Standard V

The tuition fee is as follows —For Baroda State Diploma Rs 50 per year, Certificate Rs 30 per year For Outsider Diploma Rs 75 per year Certificate Rs 50 per year

Kala-Bhavan Residency can accommodate about 80 students only The cost of living in Baroda is about Rs 20 a month

KERALA SOAP INSTITUTE, KERALA

Candidates should hold Secondary School Leaving Certificates Candidates, who have already worked in a soap factory will be given preference The course extends over a period of one year Sessions begin from the middle of June Fees—Rs 100 per annum for students coming from the Madras Presidency, in the case of others Rs 150 will be charged Course extends over one year Students are also admitted in the 2nd year for Advanced Course

LAL SINGH MANSINGH INDUSTRIAL SCHOOL, Mainpuri, U P

Session begins from July and ends in May Qualification for admission is Vernacular Final Standard Courses consist of Carpentry, Tarakashi, Tailoring Weaving, Cane work, Music (Vocal & Instrumental) and Blind class for teaching Music, Cane furniture making, Sewing, Ordinary Tailoring Students make their own mess arrangements in a hotel attached to the School Monthly expenses of a student are about Rs 8 only

MOBERLY TECHNICAL SCHOOL, HOOGHLY.

Artisan Class —There are arrangements for the following courses of study —Electrical wiring shop (2 years course), Carpentry (3 years

Vegetable Oil Industry. An up-to-date manual on oil milling & refining. Price Re 1-8 Industry Book Dept., Shambazar, Calcutta.

course), Smithy (3 years course), Fitters shop (3 years course), Machine shop (3 years course), Motor Mechanics shop (2 years course)

There will be no age limit for artisan boys

Junior Technical Classes —Boys between 12 and 15 years of age will be admitted for those who intend to go for Board Apprenticeship Examination, otherwise no age limited Boys in this department are trained to be Junior Mechanical and Electrical Engineer

The total strength including the Electric wiring shop and Motor Mechanics shop will be about 30 Artisans and 40 Technical students

Boarding and lodging charges do not exceed Rs 12 per month

Students who have read at least up to the fourth class or class VI of the High School or up to the First class of an M E School will be eligible for admission into Junior Technical Department while those who are at least barely literate will be admitted to the Artisan classes

The session commences from January

A fee of Rs 3 per month will be payable by the Junior Technical Department students as well as by the artisan Students in the Motor Mechanics shop and Electrical wiring shop should pay Rs 5 per month

There is a short course of 3 months duration in Motor Shops for Driving only Fee Rs 50 only, payable in advance

The school has got well equipped work shop with up to date machineries It undertakes out door jobs from Public in general in all shops

The Motor garage and electrical wiring shops are the special feature of this school The Motor garage has got besides its all other upto date requisite for overhauling and repairing the 'Due painting" and Oiling and greasing by compressed air system

Most of the Ex students who come out successfully are employed in services or business, and earning a decent income

NATIONAL TECHNICAL COLLEGE OF INDIA LTD, Dadar, Bombay

The College has several branches of learning such as Electrical Engineering, Wireless Radio, Telegraphy, Commerce and Industries where dozens of courses are offered The Industrial branch includes some of the most useful subjects, like Electroplating Scientific Tailoring, Soap and Toilet Making etc Besides this there is a Postal Section where courses in Shorthand, Bookkeeping Correspondence, English Speechcraft and Broadcasting are offered

PREM MAHA VIDYALAYA, BRINDABAN

Village Workers' Training Class Educational qualification up to Matric Standard, Course 2½ years Courses of study —Rural Economics, Elementary citizenship, Co operative movement, Agriculture, Spinning, Carding, Weaving, Sanitation Hygiene and first aid, Commerce Department gives training in Short hand, Type-writing and Book keeping A special course of ceramics and pottery extends over three years with another six months period as apprenticeship and is open for admission to all, possessing knowledge up to Matric standard Training is provided in Clay Modelling and Painting, Glazed Pottery and Stoneware White Porcelain and Chinaware, Papier Mache work, Brass and iron lock making and use of the Potter's wheel Each course extends over 2 years with a period of six months for apprenticeship and is open to all students having read up to primary standard

For students who have not gone through a regular school course there is no provision in the workshop for training as Turners, Moulders and Fitters, Carpenters, Carpet-weavers, Engine drivers, Clay moulders Potters' course extends from 1 year to 3 years Tailoring course takes

Vegetable Oil Industry. An up-to-date manual on oil milling & refining Price Re 1-8 Industry Book Dept., Shambazar, Calcutta.

one year Articles manufactured in the different departments of the institution can be had from store (Prem Bhandar)

RANCHI TECHNICAL SCHOOL, RANCHI.

The Institute offers five years' improved apprenticeship course of training in the following trades —Carpentry, pattern making, cabinet making, printing and polishing, moulding, smith's work, fitting, machining, electrical fitting or electrical wiring, motor machines

Candidates for admission should be between the age of 15 and 19 years Selection is based on the result of a competitive admission examination up to the middle vernacular standard held in January The period of training is or less than five years but a student who has failed to become competent within this period may be allowed to continue with it stipend until he does so The students are not required to pay any fees A number of stipends ranging from a minimum of Rs 5 per month in the first year and gradually rising to Rs 12 by annual increments are available In the case of exceptionally meritorious students the rate of stipends may rise to a maximum of Rs 18 per month in the final year A deposit of Rs. 10 must be paid on admission to cover the possible want on misuse or loss of tools No candidate will be admitted who is not considered physically fit for hard manual labour

Instruction comprises lectures in theory as well as craftsmanship training in the workshop The teaching is in the vernacular Those who make good progress will be given increased time for study as their training proceeds

On the satisfactory completion of the full period of training one of the certificates as hereunder will be granted —(a) A diploma to those who have undergone the full workshop training as well as the full theoretical course of instruction (b) An artisan certificate to those who have undergone the full workshop training only

SIR D. M PETIT INDUSTRIAL SCHOOL, AHMEDNAGAR.

(Under the control of the American Marathi Mission)

Under the inspection and examination of the Committee of Directors for Technical Education, Bombay Presidency

Subjects taught —(1) Carpentry & Carpentry Drawing Grades I, II & III (2) Maistry (Overseer's) Class, (3) Electrical Wiring, Class II.

Qualifications for admission —5th Marathi for carpentry and carpentry Drawing Grades I & II, Carpentry and Drawing, Maistry (Overseer's class and Electrical Wiring, Class II, 6th English for 3rd Grade

Fees Rs 4 per month for each subject

SRI CHAMARAJENDRA TECHNICAL INSTITUTE, MYSORE

Subjects taught in the Institute are as follows —Art-Drawing Freehand, Geometrical, Perspective, Model, Common Objects and Nature, Painting in Oil, Water-colour, Temper, etc, from casts of living model, Modelling—In Clay, Wax and Plaster, of ornaments, antiques and life figures —Designing—For Furniture, Inlay, Carving and other artistic industries, Industrial Arts—Engraving and Enamelling, Metal Works, Rattan Work, Fitters' Work, Blacksmithy

The terms are, 1st July to Dasara, Dasara to Christmas, Christmas to 15th April, 15th May to 30th June

Applications for admission should be made between the 15th May and 1st July.

USEFUL PHRASES: A HELPFUL COMPANION TO ALL. AS. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA

The only case in which any fee will be charged is that of part-time students in the Art section, who pay one rupee per mensem in advance In other cases, in order to encourage students of the right class to undergo training, stipends will be paid at rates varying with the stage of training, the class of work done, and other conditions

In addition to the School examinations selected students will be sent up for the Madras Technical Examinations in Drawing, Painting and Engraving

TECHNICAL COLLEGE, DAYALBAGH, AGRA

Courses of study include mechanical engineering electrical engineering, automobile engineering and leather working Candidates must be at least matriculate with Science for the mechanical and electrical engineering courses, must have read upto VIII class standard for automobile engineering course and must be well able to read and write for the Leather Working Course Courses of study extend to 4 years in the case of mechanical and electrical engineering, 2 years in the case of automobile engineering and 3 years in the case of leather working Tuition Fees mechanical and engineering courses Rs 2 per month. Automobile engineering Rs 5 per month 1st Year, Rs 8 per month 2nd year, Leather working course no fees Sessions begin on the 15th July Last date of applications 30th June Hostel accommodation provided

TECHNICAL INSTITUTE OF UJJAIN, GWALIOR.

The Institute imparts training on spinning, sizing, warping silk and cotton weaving designing, drawing and estimating, fitting and working of machines and carpentry 2 years course No fees are charged

TECHNICAL SCHOOL AT KANCHRAPARA.

The scheme of training 1st class apprentices provides for shop-training under commercial conditions in the E B Rly Locomotive, Carriage, Wagon and Electrical Shops at Kanchrapara with simultaneous scientific Engineering training at the Kanchrapara Technical School Apprentices are admitted in March and July each year Candidates must have passed the Admission Examination of the Board of Apprenticeship Training For admission in March they must not be over 18 years of age on the 1st of January of the same year, and for admission in July syllabus and rules for the Admission Examination may be obtained from the Secretary, Board of Apprenticeship Training Calcutta Technical School 110, Corporation Street, Calcutta and applications for permission to sit for examination should also be made to the Loco & Carriage Superintendent E B Rly, 3 Koilaghat Street, Calcutta by letter only, immediately the result of the Admission Examination is out Only apprentices in the E B Rly Workshops at Kanchrapara are eligible for training at the Technical School

TIRHUT TECHNICAL INSTITUTE, MUZAFFARPUR.

The Institute is equipped with class rooms, workshops, etc, and undertakes the training of Mechanical Apprentices as well as Artisan Apprentices

Mechanical Apprentice Classes —Course five years the first half of which will be spent at the Institute and the second with selected engineering firms Candidates must be native of or domiciled in the Province of Bihar and Orissa and be between the ages of 16 and 19 years They must pass an admission examination in English and Mathematics which is held annually at the end of June Candidates who have passed the Matriculation Examination of an Indian University

USEFUL PHRASES: A HELPFUL COMPANION TO ALL. AS. 4.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA

or the School-leaving Certificate Examination are not obliged to sit i the admission examination

Industrial Diploma Classes—Students, including the sons of skilled workmen, are accepted for training in the following trades —Wood working (Carpentry and Cabinet-making) Iron-working (Blacksmithy Fitting and Machine work), Leather working, Oil Engine Driving Course in wood-working and iron working is five years, in leather-working two years and oil engine driving one year only Candidates should preferably be between the ages of 14 and 18 years and should have passed the upper primary or higher examination

Arrangements have been made at present for training in the following departments —(1) Carpenter's shop, (2) Cabinet Maker's shop, (3) Painter's shop (4) Smithy, (5) Fitting shop, (6) Machine shop, (7) Pattern shop, (8) Foundry

The course of instruction will ordinarily cover five years Instruction is given in the vernacular and includes lectures in theory as well as practical training in the workshops

Candidates for admission must not be below the age of 15 or above 19, and preference will be given to native of the province or persons domiciled therein Selection is based on the result of an admission examination followed by a personal interview with the Superintendent

Session begins in July and ends in April Students are not required to pay fees for their training but each student is required to deposit Rs 10 at the time of admission as caution money and also to make an annual contribution of Rs 2 towards the common room and athletic fund of the Institute Students are required to reside in the hostel, attached to the School or in private hostels duly approved and recognised by the authorities of the Institute

There are ten stipends which are awarded each year to deserving students in order of merit

VICTORIA JUBILEE TECHNICAL INSTITUTE,

King's Circle, Matunga, Bombay.

The Institute is not affiliated to the Bombay University but is recognised by the Government of Bombay as the Central Technological Institute, Bombay Presidency

The following are the courses of instruction qualifying for Diplomas and Certificates

Mechanical Engineering, Electrical Engineering, Textile Manufacture, Technical and Applied Chemistry (Including courses in Manufacture of Paints and Varnishes Oils and Fats, Soaps and Candles, Sizing, Dyeing and Bleaching and Foods Drugs and General Analysis) and Sanitary Engineering and Plumbing Courses Each course extends over four yearly sessions, and a Diploma (according to Standard attained) is awarded by the Board of the Institute to each student who passes his Final Examinations

Candidates for admission must pass the Entrance Examination of this Institute, which is held early in June at this Institute and at Madras, Calcutta, Patna, Lahore, Cawnpore and Nagpur under the supervision of the respective Directors of Industries Only graduates of recognised Universities may be admitted without examination Applications are accepted only on the official printed Application Forms obtainable from the Institute There are two terms per session and fees are Rs 55 per term for each course for bonafide students of the Bombay Presidency (excluding Native States) and Rs 80 per term for each course for students belonging to other province

Common Faults and Errors: A guide to writers and speakers in English Price As. 4 Industry Book Dept, Shambazar, Calcutta.

There is a Hostel attached to the Institute. The rent is Rs. 36 per term for each of two students in one room on the ground floor and Rs 42 per term for each of two students in one room on the first floor The average monthly expenses for a student inclusive of board, lodging fees, tools, books, etc, are about Rs. 50 to Rs. 55

SUPPLEMENTARY LIST.

Anjuman Industrial School, Madras; Bengal Social Service League's Industrial School, 18, Mirzapur St, Calcutta; Boy's Industrial School, Balasore; Brojo Mohan Technical Institute, Backerganj, Calcutta Technological College, 20/1, Lal Bazar St, Calcutta; Chemical & Texicological Institute, Goa; Govt Carpentry School, Allahabad, Govt. Industrial School, Delhi; Govt Metal Works Institute, Ambala, Government Metal Works Institute, Sialkot; Industrial School for Boys, Berhampore; Jamalpur Technical Institute, Jamalpur, Krishna Vilas Technical Institute, Tanjore; Khalsa Industrial School, Darya Ganj, Delhi; Maharajah Cossimbazar Polytechnic Institute, 1 & 3, Nandalal Bose Lane, Baghbazar, Calcutta; Mahila Shilpa Bhaban, 6/1, Vidyasagar St, Calcutta, Mahila Vidya Bhaban, 1/6, Raja Dinendra Street. Calcutta, Nabadurga Free Industrial School Banamali Naskar Road, Behala, Calcutta; Nari Siksha Samity, 6-1, Vidyasagar Street, Calcutta (For ladies only), Natonal Electric Institute, (Regd) Mahuva, Kathiawar; Pannalal Seal Vidyamandir, 5, Olai Chandi Road, Calcutta, Royal Institute of Technology, Ballimoran, Delhi; Sir Ratan Tata's Industrial Institute, Hughes Road, Bombay, Soap Training House, Saidpur, Rangpur, Bengal; Srimulam Technical School, Travancore, St Joseph's Industrial School & Press, Trichinopoly (Metal Casing, Turning & Fitting, Caminet Making, Painting); Surma Valley Technical School, Sylhet; Sree Andhra Jatuya Kalashala, Masulipatam, Victoria Technical Institute, Panthon Road, Egmore, Madras

MEDICAL INSTITUTIONS.

CALCUTTA DENTAL COLLEGE AND HOSPITAL.
33, Bowbazar Street, Calcutta

Course Three Years. Session begins on the first Monday in July. Tuition fees Rs. 300 per annum. Entrance requirements—Matriculation of an Indian University.

COLLEGE OF OPHTHALMOLOGY.
164, Dhurrumtollah Street. Calcutta.

The following courses are taught:—

Post Medical Graduate Course:—For those who are preparing to go to foreign countries for diplomas with Ophthalmology as special subject. Admission fee Rs. 10. Tuition fees for lectures and demonstrations Rs. 400 Practical Pathology and Bacteriology, Operative Surgery Rs. 75 (separately each Rs. 50).

Medical Students Course:—One theoretical course (in diseases of the Eye) lasts for about 6 weeks. This is meant for the students of Medical College and schools just before each examination. Fees:—Rs. 15 each for the whole course payable in advance.

Ophthalmic Opticians Course —The course will spread over a period of six months leading to a Certificate of Proficiency of the college. There will be 3 courses of instruction annually commencing from January, July and November. These will comprise sight testing, dark room examinations, choice of frames, etc. Admission fee Rs. 10.

Common Faults and Errors: A guide to writers and speakers in English Price As. 4. Industry Book Dept., Shambazar, Calcutta.

Tuition fees Rs. 250 or Rs. 200 payable in one instalment. Examination fees for certificate Rs. 15.

INDIAN COLLEGE OF NATUROPATHY,
100, Harrison Road, Calcutta.

Sessions begin on 1st January. The college offers training in Hydropathy, chromotherapy, massotherapy and Psychotherapy by Oral Practical or Correspondence. Doctor's Course 3 years, Licentiate, 1 year.

INDIAN OPTICAL INSTITUTE & REFRACTION HOSPITAL,
12, Lindsay Street, Calcutta.

Two different courses have been arranged:—

(A) Optometrist—Opticians' Course.

(B) Dispensing Opticians' Course.

The courses will extend over a period of one year only. Session will commence in the middle of July. Regular classes are held daily in the evening from 7 to 9 P.M. Students (either sex) for admission, should at least be eighteen years of age and should be a Matriculate having had a preliminary knowledge in Physics (Light).

Fees:—For A Course:—Admission fees Rs. 8, (i) Tuition fees for the whole course is Rs. 90 if paid in advance or (ii) Rs. 25 per quarter in advance or (iii) Rs. 18 in advance if paid in 6 instalments or (iv) Rs. 10 per month i.e. Rs. 120 for the full course. Fees for the extra course in Physical Optics Rs. 25 payable in advance (for Matriculate without knowledge of Physics).

For B Course:—(1) Admission fees Rs. 5; (2) Tuition fees Rs. 40 per session payable in advance.

Subjects taught:—

(A) Course:—(1) Physical Optics; (2) Anatomy & Embryology; (3) Physiology; (4) Visual Optics; (5) Ophthalmic Lenses; (6) Sight Testing; (7) Mechanical Optics; (8) Recognition of Ocular Diseases; (9) Salesmanship & General Management of Business.

(B) Course:—(1) Physical Optics; (2) Ophthalmic Lenses; (3) Mechanical Optics.

Diploma:—Successful candidates, on being granted the Diploma of the Institute, are entitled to affix L. O. I. (Licentiate of the Optical Institute) after their name.

SUPPLEMENTARY LIST.

Calcutta.

All-India Institute of Hygiene & Public Health, 21, Chittaranjan Avenue, Calcutta.
Bengal Allen Homeopathic College, 169A, Bowbazar Str., Calcutta.
Bengal National Medical Institution and Hospital, 72, Sura 1st. Lane, Calcutta.
Biswanath Maha Vidyalaya, Grey Street, Calcutta.
Calcutta College of Homeopathy, 266, Upper Circular Road, Calcutta.
Calcutta Medical School, 301, Upper Circular Road, Calcutta.
Campbell Medical School, Sealdah, Calcutta.
Carmichael Medical College, 1, Belgachia Road, Calcutta.
College of Homeopathy & Biochemistry, 172, Bowbazar St. Calcutta.
Dunham College of Homeopathy, 135-3, Bowbazar Str., Calcutta.
English Naturopathic College, 57, Gwynne Road, Calcutta.
Faculty College of Homeopathy, 1B, Gopal Bose Lane, Calcutta.
Govindo Sundari Free Ayurvedic College, 20, Ramkanto Bose St., Calcutta.

Dental Preparations: An excellent handbook on making Tooth Pastes, Creams, Powders, Cements etc., Re. 1-8. Industry Book Dept., Calcutta.

Jamini Bhusan Ashtanga Ayurveda College, 170, Raja Dinendra St., Calcutta.
Medical College, 90, College Street, Calcutta.
National Medical College, Gorachand Road, P.O. Entally, Calcutta.
Presidency Medical School, 29, Russa Road, Tollygunge, Calcutta.
R. C. Nag Regular Homeopathic College, 166, Bowbazar Street, Calcutta.
School of Tropical Medicine, Central Avenue, Calcutta.
Vaidya Sastrapith, Upper Circular Road, Calcutta.

Bombay.

Bombay Homeopathic Medical College, Sethna Bldg., Princess Street, Bombay.
Gordhandas Sunderdas Medical College, King Edward Road, Parel, Bombay.
Grant Medical College, Byculla, Bombay.

Madras.

Barnard School of Radiology, Madras.
Government Medical School, Rayapuram.
Government School of Indian Medicine, Madras.
Lady Willingdon Medical School for Women, Madras.
Madras Ayurvedic College, 285, China Bazar Road, Madras.
Madras Dental College, 285, China Bazar Road, Madras.
Madras Homeopathic College, Conjeeveram.
Medical College, Madras, Park Town, Madras.

New Delhi.

Lady Hardinge Medical College & Hospital, New Delhi. (For women)
Unani Tibbi Ayurvedic College, New Delhi.

Mofussil.

Agra Medical School, Agra.
American Dental College, Elphinstone Street, Karachi.
Byramjee Jeejeebhoy Medical School, Ahmedabad.
Chittagong Homeopathic College & Hospital, Chittagong.
Chittagong Medical School, Chittagong.
Dacca Medical School, Dacca.
Dacca National College (Medical Br.), Bangla Bazar, Dacca.
Darbhanga Medical School Darbhanga.
H. R. H. the Prince of Wales Medical School, Tanjore.
Health School, Nagpur.
King Edward Medical College, Lahore.
King Edward VII Memorial Pasteur Institute & Medical Research Institute, Shillong.
King George's Medical College, Lucknow.
Lytton Medical School, Mymensingh.
Medical College, Goa.
Medical College, Vizagapatam.
Medical School, Hyderabad, Sind.
Orissa Medical School, Cuttack,
Pabna Medical School, Pabna.
Pasteur Institute, Patna.
Pasteur Institute of India, Kasauli.
Prince of Wales Medical College, Patna.
Punjab Vaccine Institute, Lahore.
Robertson Medical School, Nagpur.
Ronaldshay Medical School, Burdwan.
Vaccine Institute, Nagpur.
Women's Medical School, Agra.

Dental Preparations: An excellent handbook on making Tooth Pastes, Creams, Powders, Cements etc., Re. 1-8. Industry Book Dept., Calcutta.

MERCANTILE MARINE.

INDIAN MERCANTILE MARINE TRAINING SHIP "DUFFERIN,"

Mazagaon Pier, Bombay.

The aims and objects of the "Dufferin" is to obtain suitable candidates from among British Indian subjects or subjects of a Ruling Prince in India for the Indian Mercantile Marine in such a way that they may with confidence be expected to follow the sea as a career, and be fit in all respects to hold their own as good and efficient officers To attain this result it is necessary to bring each cadet up to an educational standard which will enable him to continue his own education at Sea in the case of Executive Cadets ashore and afloat in the case of Engineering Cadets, and so eventually to pass the Government Examinations for certificates of competency as masters and mates or engineers in the Mercantile Marine

Cadets will be required to live on the training ship, and will be subject to the discipline of the ship s officers and of the teaching staff After leaving the Dufferin, three years are usually spent as an apprentice, during which time the boy learns the practical side of his profession

The full course in the training ship lasts for 3 years Each year is divided into 2 terms First term January 10th to May 31st, Second term September 1st to December 10th

The classes are named as follows —Junior 1st year, Remove, 2nd year, Nautical, 3rd year

The fees are Rs 50 per mensem, payable in advance for each term The first term s fees, payable before the 10th January, amount to Rs 225, the second term's fees, payable before 1st September amount to Rs 175 These fees include board lodging, tuition, medical attendance and games

Instruction on the Training Ship will be given in English, Geography, History, Arithmetic, Algebra, Geometry, Trigonometry, Science Mechanics, Meteorology, Navigation, Nautical Astronomy, Seamanship and Magnetism A final examination will be held before the course on the Training Ship is complete

The training on the ship provides an education not inferior to that obtainable at educational establishments on land, so that those who finally do not elect, for a career at sea, will find that their time has not been wasted

The following Universities have recognised the Dufferin Final Passing Out Examination Certificate both Executive and Engineering as equivalent to their Matriculation or their High School Examination —Universities of Aligarh, Annamalai, Benares, Bombay, Calcutta, Delhi, Madras, Mysore, Nagpur, Patna, Rangoon and the Board of High School and Intermediate Education, Allahabad

Great attention is paid to physical drill, which is practised every morning Playing fields have been provided ashore, which they visit at least four times a week, hockey, football and tennis being taught and played Deck games such as Deck cricket, tennis, and hockey are also encouraged All cadets are taught boxing under competent supervision A gymnasium and indoor recreation room are provided

Candidates seeking admission must be British subjects, whose parents are domiciled in India, or subjects of a Ruling Prince in India, and must be between the ages of thirteen years 8 months and sixteen on January 15th of the year of entry into the Dufferin They will be required to pass a qualifying examination in Arithmetic, Algebra, Geometry, English, History, Geography and General knowledge con-

Hand Spinning & Weaving: Contains detailed methods. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

ducted in English and set on the syllabus of the fourth standard at an Anglo-Vernacular School. This examination will be held about the 1st of November simultaneously at Bombay, Calcutta, Lahore, Lucknow, Patna, Madras, Delhi, Rangoon and Karachi. Candidates who pass the qualifying examination will be required to come to Bombay for an interview with the Selection Board and to undergo an eyesight test for vision and colour blindness, also a medical examination. These tests and the selection will ordinarily take place about the 7th of January. The total number of entries in each year is limited to 50 cadets, 25 for the Executive Course and 25 for the engineering course; for preliminary training as officers of the Mercantile Marine of which six are reserved for holders of scholarship. Certificates of fitness from a Government medical officer, not below the rank of an Assistant Surgeon, must accompany their application. Such certificates will in no way entitle the applicant to exemption from the further medical examination or eyesight test in Bombay.

MISCELLANEOUS INSTITUTIONS.

CITY TELEGRAPH AND COMMERCIAL COLLEGE.
(Wireless Training Branch).

121/B, Bowbazar Street, Calcutta.

Course extending over 9 months (to an intelligent student 6 months) covers requirements for the examination conducted by the Director General, Post and Telegraphs, India., to obtain certificate of competency in Wireless Telegraphy. Course includes General Principle of Electricity and Magnetism, Theory of Radio-telegraphy and Radio telephony, Transmitting and receiving messages by ear, etc. Fees for complete course are Rs. 200 payable in 3 instalments.

F. M. C. SCHOOL OF MOTORING.
243-3, Lower Circular Road, Calcutta.

Tuition in Motor-Car Driving and Maintenance given. Scale of fees:—Full course (9 months) Rs. 275; full course without driving (9 months) Rs. 175; driving course (2 to 3 months) Rs. 100; special course in tyre vulcanising (6 months) Rs. 125; driving license for trained men only—Light car Rs. 40; lorry or bus Rs. 35.

INDIAN INSTITUTE OF SCIENCE, BANGALORE, INDIA.

This is a post graduate institution, founded by the munificence of the late Mr. J. N. Tata, and of his sons Sir Dorabji Tata and the late Sir Ruttonji Tata. Five departments, offering instruction in (1) Physics (2) General and Inorganic Chemistry, (3) Organic Chemistry, (4) Biochemistry and (5) Electrical Technology, are provided with fully equipped laboratories for research work, and there is a technical library comprising upwards of 24,000 volumes. There are no tuition fees except for the regular courses teaching upto a certificate of proficiency, and the monthly expenses approximate to Rs. 50. Scholarships may be awarded to research students of proved ability after entry. Courses three years.

INDIAN WIRELESS COLLEGE,
51-1-1, College Street, Calcutta.

Students are given practical training, and theoretical lectures are arranged.

Hand Spinning & Weaving: Contains detailed methods. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

INTERNATIONAL AUTOMOBILE ENGINEERING INSTITUTE,
2, Rowland Road, Calcutta.

The following courses of study are offered:—(1) Automobile Engineering Course including Driving Course (8 to 9 months). Fees Rs. 300. (2) Automobile Engineering Course without Driving Course (8 to 9 months). Fees Rs. 200. (3) Driving & Service Course (3 months), Fees Rs. 100. (4) Professional Drivers Special Course (2 months), Fees Rs. 50. (5) Special Course:—(a) in tyre repair and service (6 months), Fees Rs. 125. (b) in spray painting (4 months), Fees Rs. 100. **N.B.**—Should any candidate like to take up any of the above Special Courses after completing the Automobile Engineering Course, he would have 20 % off the fees for the particular Special Course.

J. N. TATA EDUCATION SCHEME,
Bombay House, 24, Bruce Street, Bombay.

A few studentships are awarded annually under this Scheme for advanced study in foreign countries to graduates who are native of India, with conspicuous distinction at any Indian University. They are in the nature of loans repayable according to the terms given below with simple interest at four per cent annum.

Applications must accompany copies of certificates as to character and physical fitness and a passport size photograph of the applicant. The Committee will meet in the first week of August to make selections which are made entirely on the score of merit.

The selected candidates will be required to enter into an agreement with the committee, the main terms of which provide for:—

1. The course of studies must lead up to the highest degree or the highest standard of efficiency.
2. Insurance with such company as the Committee may approve.
3. Assignment of the policy to the Committee's nominee:
4. Provision of an approved surety for the regular payment of the premium.
5. Repayment of the loan on the following basis after they shall have begun to earn an income:—

(a) One fifth of the annual income if it should be under Rs. 400 p.m.
(b) One fourth, if between Rs. 400. and Rs. 600 p.m.
(c) One third, if it exceeds Rs. 600 per month.

NATIONAL RADIO & INDUSTRIAL WORKS, LTD.
52/9, Bowbazar Street, Calcutta.

The Institute offers training in making, assembling, building, repairing and servicing radio and broadcasting, wireless telegraphy, talkie projecting, operating, etc., electricity, drawing, carpentry, etc.

Minimum qualification is passing the Matric of an Indian University. A non-matric who can pass an admission test or can produce a certificate of the Head-master of the School he last attended that he read upto the Matric Class is also admitted.

Sessions commence from the 1st. of August and 1st. of February.

The candidates should be ordinarily between 16 and 22 years.

Fees.—For the Engineering Course (one year) and Intermediate Radio Engineering Course. (1st year); Rs. 70; For the Bachelor of Radio Engineering Course (2nd year), Rs. 75; for the Master of Radio Engineering Course (3rd year); Electricity fee for all the above Courses is Rs. 4 per year (Rs. 2 payable every six month). This fee includes the electric charges for fans and laboratories.

Hostel:—There is an attached hostel for students from remote places. Hostel charges approximately Rs. 14-8 per month, for two principal meals and seat rent.

Catechu Making is quite paying. Read Manufacture of Catechu. Rs. 1-8.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

SAROJ NALINI INDUSTRIAL SCHOOL FOR WOMEN.

69 B, Mirzapore Street, Calcutta.

The School was founded with the object of imparting industrial training as well as cultural education to adult women of the Bhadralok class

The subjects taught in the School are the Following —(1) Sewing and Cutting, (2) Embroidery and Drawing, (3) Carpet and Durry Weaving, (4) Plain and Fancy Cotton Weaving, (5) Cotton and Wool Dyeing, (6) Jaipur Ornamental Brass Works, (7) Knitting Socks, Scarves, Mufflers and Children's Cap by machines, (8) Toy Making, (9) Woodcut, (10) Leather Embossing, (11) Cane Work, (12) Folk Art including Alpana and Mural Painting, (13) Music (vocal and instrumental), (14) Nursing, and (15) General Education in English and Bengali upto M E, Standard

There is also a Boarding House attached to the School for the mofussil pupils

SCHOOL OF CHEMICAL TECHNOLOGY, CALCUTTA.

P-154, Lake Road, P O. Kalighat, Calcutta.

Six Special Courses, mainly Post-graduate in character Subjects of instruction, such as Scientific agriculture, Drug cultivation, Examination of blood, sputum, urine, Soap chemistry and manufacture of pure soap, both toilet and washing, Investigation and manufacture of all indigenous herbs and drug, such as belladonna, cinchona, nux-vomica and such other useful medicinal products Each course lasts for three months Fees for each course Rs 300

Ordinary boarding charges approximate Rs 25 to Rs 30 a month Candidates must be Matriculate or its equivalent or must pass a special pre-admission test Courses open to all Laboratory at Lake Road

SCHOOL OF MOTORING,

12/1, Government Place East, Calcutta.

Provides course for motor engineering and driving Monthly allowances to candidates in special engineering course

USHAGRAM SCHOOLS, USHAGRAM, ASANSOL.

For Boys Along with the Matriculation course, each boy must take one vocational subject, choosing from among the following, carpentry, weaving, agriculture, tailoring, soap making printing, book-binding, art, including music There is also provision for Vocational training apart from Matriculation classes Fees —Rs 4 in the Matriculation Class to Rs 2 in class III Two hostels are maintained, the Boys' village hostel receiving boys between 6 and 12 years at 8 rupees a month inclusive of School fees, and the Bigger Boys' hostel, prepared to take orthodox Hindus at Rs 8 per month exclusive of Re 1 seat rent, and the regular class fees

For Girls —Provision for 75 girls in cottage system of hostels, with classes upto the Matric Standard Also courses in art, music, Domestic Science, and Weaving, either combined with the regular course or separate therefrom Two hours of manual work are expected of each girl per day The fees for girls, and for little boys reading in the first three classes range from As 8 in the kindergarten class to Rs 3 in classes 9 and 10 The full fee for the hostel is Rs 8 per month inclusive of school fees, with no separate arrangement being made for girls of different faiths

Catechu Making is quite paying. Read Manufacture of Catechu. Re. 1-8
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA

VICTORIA TAILORING AND CUTTING COLLEGE,
Budhwar Chowk, Poona No. 2, Branch: Rajkot, Kathiawar.

The Institution has been recognised by the Gocernment of Bombay, Industries Department.

Course of Study: Diploma Course; Cutting fee Rs. 100 only. Duration of cutting 3 months, and cutting and tailoring 9 months. Shirts, Indian-shirts, Trousers, Indian-trousers, Waist-coats, Coats, Over-coats, Breeches, Ladies Garments. Total lessons 98.

The diploma course is being divided in three sections. Tuitions are given in one or more courses. Concession is given to those who take more than one course.

SUPPLEMENTARY LIST,

Banton's Tailoring College, Agra; Calcutta Commercial Institute, College Street Market, Calcuta (Tailoring); Calcutta School of Music, 43, Park Mansions, Calcutta; East Bengal Tailoring Institute, 206, Cornwallis Street, Calcutta; Embroidery School, Calicut; Imperial College of Telegraphy & Commerce, 144, College Street, Calcutta; Indian Association for the Cultivation of Science, 210, Bow Bazar St., Calcutta; Kala Mandir, Vile Parle, Bombay; Modern Scientific Institute, Gowalmandi, Lahore; New Shorthand & Typewriting Institute, No. 75, U. F. The Mall, Simla; Remington Fonetik School, Nos. 3 & 4, The Mall, Simla.

ORDNANCE FACTORIES.

GUN AND SHELL FACTORY, COSSIPUR, CALCUTTA.

Apprentices receive training in (i) General Mechanical Engineering or (ii) Mechanical Engineering trades. Recruitment occurs through Public Service Commission. Candidates must not exceed 19 years in age and must have passed the Intermediate Examination in Science or Engineering of a University or Board approved by the Governor General in Council or have obtained the Cambridge School "A" Certificate or the Higher Diploma of the Mayo College, Ajmer. Period of Training extends over 5 years, combined with an approved course of theoretical instruction at the Calcutta Technical School. Apprentices are required to live in Government Hostel.

In addition, the Boy Artisan Training Scheme provides a five years' course of training for selected boys between the ages of 15 and 17 years. This course is intended to produce Craftsmen, capable, ultimately, to fill junior supervisory posts in Mechanical Engineering Workshops. The practical training is supplemented by a special course of education in the Factory School.

INDIAN ORDNANCE FACTORIES,
Rifle Factory, Ishapore.

Apprentice—Training is given in Mechanical Engineering in this factory and also in Gun and Shell Factory, Cossipore, and Gun Carriage Factory, Jubbulpore. Course five years. Maximum age limit 19 years on the 1st August immediately preceding the selection which is done by the Public Service Commission usually in the beginning of the year. Qualifications for admission are the same as in the case of Gun and Shell Factory, Cossipur. Applications for candidature are invited by publication in the Gazette of India. Allowance during apprenticeship Rs. 40 per month in the 1st year. Annual increment Rs. 5, Rs. 7-8 and Rs. 10 depending on progress.

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INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Boy Artisan —Special training in one trade only Course 5 years Age limit 17 years A candidate must have read up to 6th Class of High School Allowance varies from As 6 daily in 1st year to As 14 daily in the 5th year

Technical School —3 years' course in metal and wood working tools Age limit 15 years The applicants must have read up to the fifth class Monthly fee Re 1 only No allowance

Primary School —Course consists of English, Arithmetic and drawing Age limit is 12 years

INDIAN ORDNANCE FACTORIES.
Gun Carriage Factory, Jubbulpore.

Age limits—Normally between 15 and 19 years Applicants should have higher educational qualifications than the Matriculation The period of apprenticeship is five years Apprentices are to specialise in one of the following trades:—

(a) Machine shop work, (b) Fitting and Erecting, (c) Smithy and forge work, (d) Foundry work including Pattern making, (e) Millwright's work, (f) Carpentry, including wheel manufacture, wood machine work, painting etc, (g) Tool maker's work

INDIAN ORDNANCE FACTORIES.
Cordite Factory, Ayurvankudu, Nilgiris.

Candidates should have passed the Intermediate Arts Examination with Science and Mathematics as optional subjects and should be between 15 and 19 years of age

Course four years Object of training —To fit the apprentice for a position in a supervisory capacity in a Chemical Works

TANNING INSTITUTIONS.

BENGAL TANNING INSTITUTE, PAGLADANGA, CALCUTTA

The course runs over two years, one year at the Chemical Laboratory and another year at the Demonstration Tannery In the chemical laboratory the students are taught analysis of water, oils, soap, fats and waxes, tanstuffs and tanning chemicals and tannery control work In the demonstration tannery they are taught the methods of manufacturing different kinds of commercial leather Theoretical lectures are also delivered on (1) General Chemistry, (2) Applied Chemistry of Leather Manufacture and (3) Principles and Methods of tanning Under-graduates and matriculates are also admitted Out of twenty four students admitted sixteen are for students from Bengal and eight from Bihar & Orissa

For Bengal students, there are four paid apprenticeships, two carrying an allowance of Rs 30 each and two of Rs 20 each month

GOVERNMENT LEATHER WORKING SCHOOL, AGRA

Course and terms same as in Municipal Board, Allahabad

GOVERNMENT LEATHER WORKING SCHOOL. CAWNPORE.

The object of the school is to afford a systematic training in the art of Boot and Shoe-making as well as the manufacture of other sundry leather articles on modern lines

The following are the principal subjects of instruction which will be worked out during the period of two years:

(1) Anatomy of the foot broad principles

(2) Measurements, last-fitting and pattern-cutting

Inventions of To-day makes your information up-to-date As 4
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

(3) Selection of hides and skins; clicking; economical adjustment of patterns; closing; bottom stock-cutting; and preparation; lasting and bottom stock-attaching by hand; finishing, etc.

(4) Making of suit cases, holdalls, and sundry leather articles.

(5) Mending.

(6) Kit-cutting.

(7) Making of boots and shoes for defective feet.

(8) Costing and system of keeping accounts necessary for maintenance of a factory.

The applicants for admission should have studied at least up to the Lower Primary Standard.

Admissions are ordinarily made only at the commencement of the session (1st July, and 2nd January). Each student will have to deposit Rs. 5 as caution money.

No tuition fee is charged from the bonafide students of United Provinces. Students deputed by other Provincial Governments or Native States are to pay proportionate cost of training. Non-United Provinces students are to pay Rs. 240 per annum for all 12 months of the year.

A certain number of Stipends, Entrance scholarships and Leaving Scholarships are granted. Students from outside the United Provinces are ineligible for these.

A hostel is attached to the school. The boarders are to make their own messing arrangements. (1) Hostel fee Re. 1 per mensem; (2) Light fee from annas 4 to annas 6 per mensem. A student of modest means usually requires from Rs. 9 to Rs. 12 per mensem to maintain himself here.

GOVERNMENT LEATHER WORKING SCHOOL, MEERUT.

Courses of Study—Same as in Municipal Leather School, Allahabad. The sessions of the school for admission begin on the 5th July and 2nd January every year. Admission is made only at the commencement of the session. Applicants should have studied at least up to the Lower Primary School.

GOVERNMENT TANNING SCHOOL, FATEHPORE.

The Institute trains village tanners in the modern methods of tanning, curing and finishing. Applications for admission should be made to the Head Master of the school not later than June 15 each year. The session commences each year on July 1. No fees will be charged from residents of the United Provinces. The full cost of training will be charged from students who are deputed by other provincial Governments. Candidates for admission should be between 16 and 25 years of age. Applicants should be able to follow the instruction given in the school, and to take down notes. The course will extend over a period of two years. Practical work in the tannery and finishing departments is arranged. No boarding house is attached to the school.

LEATHER TRADES INSTITUTE, MADRAS.

The Institute is a centre for the provision of general advice, research and practical guidance to tanners and for the conduct of analysis of bark, water, effluent, chrome, lime liquor, etc., and of analyses of skins and hides intended for export with a view to detecting adulteration by the use of epsom salts, etc. The staff of the Institute maintains close touch with research in the sphere of leather technology in Europe and America and tests the results arrived at in those countries under conditions obtaining in Madras so that the benefit of the work that is being done in the more industrially advanced countries may be extended to tanners in a form which they can assimilate. In the tannery attached

Trade Terms & Abbreviations: Unique collection alphabetically arranged. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

to the Institute practical experiments are carried out from time to time with a view to improving the quality of the existing classes of leather and of cheapening the present cost of tannage.

MUNICIPAL BOARD, ALLAHABAD.

Course extends over 2 years. Instructions are given in pattern cutting, clicking and closing, bottomstock cutting and preparation, lasting and bottomstock attaching by hand, finishing, mending (half-soling, heeling, re-welting, re-soling and general repair work), kit cuttings (Sharpening knives and awls, etc, etc), boots and shoes for defective feet Anatomical study of the foot specially cared for and provision to ameliorate the defect and even cure it Admission is made in July No fees are charged

Applicants for admission should have studied at least up to the Upper Primary Standard Applicants should be between 15 and 25 years of age Night-school is arranged for local shoe makers to improve on the indigenous art.

VETERINARY, DAIRY & POULTRY INSTITUTIONS.

BENGAL VETERINARY COLLEGE,
Belgachia Road, Calcutta

Course extends over at least three years New students join on 1st June Candidates must be matriculates and shall be between 18 and 26 years of age Tuition fee of Rs 50 levied before admission from the Bengali private students at the college annually Residing in College Hostel Compulsory Special short courses provided for (1) Farriers and Dressers, (2) Riding, (3) Compounding and (4) other miscellaneous subjects such as Meat and Milk Inspection, Genetics, Dairy Farming and Poultry Keeping—all extending over 4 months with fees of Rs 40 for each course for full session payable in advance.

BOMBAY VETERINARY COLLEGE, PAREL, BOMBAY.

This institution is maintained by the Government of Bombay and provides a full course of instruction in Veterinary Science Clinical and other facilities are afforded to meet veterinary educational requirements in the Rai Sakarbai Dinshaw Petit Hospital for Animals which adjoins the College The object of the college is to train competent practitioners for veterinary service under Government, for private practice, for service in Native States and for special posts under Municipalities, District Local Boards, etc The Diploma of qualifications "Graduate of the Bombay Veterinary College" is awarded after a full course of the three years' study at the college and passing the examinations of graduation Fees Rs 80 per annum in the case of students belonging to Bombay Presidency, and Rs 120 per annum in the case of students outside the Bombay Presidency

GOVT POULTRY FARM, GURDASPUR, PUNJAB.

Two courses of three weeks' duration each are held in the cold weather They are strictly practical with a one-hour lecture and a one-hour demonstration by the Poultry Expert each day on the various activities of the Poultry Farm such as breeding, incubation, brooding, rearing, feeding, housing, disease prevention, marketing etc The students take part in the actual running of the farm.

A fee of Rs 5 is charged and students make their own arrangements for board and lodging in Gurdaspur. A maximum number of 21 students is accepted for each class.

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The classes are confined to residents of the Punjab and knowledge of English, Urdu or Gurmukhi is the only other qualification required

IMPERIAL INSTITUTE OF ANIMAL HUSBANDRY & DAIRYING, BANGALORE & KARNAL FARMS AND ANAND CREAMERY.

Dairy Diploma course given The monthly expenses for taking this course including fees approximate from Rs 50 to Rs 60 a month Course consists of practical and scientific training Students must be over 17 years of age The minimum educational qualification is Matriculation or the School Final Examination Tuition fees Rs 15 monthly

MADRAS VETERINARY COLLEGE, VEPERY, MADRAS.

Candidates must not be under 17 years of age Applications to be submitted not later than the 15th June of each year Candidates should possess the minimum general educational qualifications prescribed for appointment to subordinate services in the General Rules for subordinate services in the Madras Presidency The course extends over three years A tuition fee of Rs 90 per annum shall be levied from the students coming from the Madras Presidency and Coorg Students coming from outside the Madras Presidency and Coorg shall pay a tuition fee of Rs 400 per annum, the tuition fees are payable in advance

PUNJAB VETERINARY COLLEGE, LAHORE

College Session commences in the middle of September Applicants for admission must have passed the Intermediate examination 1st class Matriculates can also be considered Tuition fee per annum Rs 120 Course of study four years

UNITED PROVINCES POULTRY ASSOCIATION,
Dilkhusha, Cantt, Lucknow.

Courses of training include Elementary (from 1st November to 31st January and from 1st February to 30th April), Advance (6 months from 1st November to 30th April) and Diploma (1 year, from 1st November to 31st October) Knowledge of English is necessary for candidates of Advanced Courses Lectures both in English and Vernacular Fees for U P Students Elementary Course Rs 25 Advance Course Rs 50, diploma course Rs 100 Students from other parts of India will be charged 50 per cent extra There is an attached hostel Every resident student must pay Rs 5 per month as hostel fee Students make their own messing arrangement

SUPPLEMENTARY LIST.

Veterinary College, Patna

WEAVING & DYEING INSTITUTIONS.

CENTRAL TECHNICAL INSTITUTE.
Chanderi, Gwalior.

This institute imparts both theoretical and practical training in fine weaving with gold work The courses are for 2 years

COTTAGE INDUSTRIES INSTITUTE, GULZARBAGH, PATNA

The Institute prepares skilled artisan class and organisers in the following handicrafts —Weaving, Dyeing, Calico Printing, Knitting, Carpet, Durrie and newar weaving Toy making, Painting of toys Course extends to a year from the 2nd of January For weaving, dyeing, printing, durrie weaving, carpentry and smithy sections the candidates

Sugar Making pays in these days Read Sugar in India Rs. 3-8.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

should be above 18 years of age and for other sections above 14 years Applications should be made before 15th December

GOVERNMENT CENTRAL WEAVING INSTITUTE, AMRITSAR

The Institute has three classes —(1) Class A —(Higher Class), (2) Class B — (Artisan Class) and Class C —Kimkhab Class Accommodation in Class A is limited to 15 seats Students who have passed the Matriculation Examination of the Punjab University or an equivalent examination of any other recognised University are given preference The course of instruction extends to two years

Class B is designed to benefit weaver community only Both adult weavers and their sons are admitted, the number of admissions being restricted to 40 Course of instruction in this class extends to a period of one year and the training is given in vernacular

Admission to classes A & B of the Institute takes place on the 1st October Applications for admission to class A should reach the Textile Master by the 15th of July

Applications for admission to class B are received in July Applications for Class C are received in July and February Hostel accommodation is also provided at a nominal rent of As 4 per month to students who come from out stations but boarders will have to make their own messing arrangements

Class C (Kimkhab Class) has been started to benefit the weavers in silk weaving Weavers and artisans are admitted to this class Number of admission is limited to 12 There are 2 sessions (i) from October to February and (ii) from March to July

Fees per mensem —High class Re 1, Artizan class As 4, Kimkhab class As 4, Casual students Rs 2

GOVERNMENT CENTRAL WEAVING INSTITUTE, BENARES

The school provides training in hand loom weaving which would qualify students to take charge of weaving schools as Superintendents and Instructors and to work in factories as Managers and Mistries or to work profitably as weavers in their cottages or factories The session commences on July 1 There are two sections Weaving section with Senior class for Superintendents and Managers, Advance and Junior classes for Instructors and Mistries, and Artisan class No fees for U P Students Non U P Students have to pay Rs 360 per annum Boarding house is provided for out-station students only

GOVERNMENT SCHOOL OF DYEING & PRINTING, CAWNPORE

Two courses of instruction are given in this institution —(a) Foreman Dyers (3 years course) and (b) Artisan class (2 years course)

Foreman Dyers—The medium of instruction is English and the course consists of lectures and practical work in Dyeing, Bleaching and Calico-printing of Cotton, Wool and Silk and on machines and materials used therein

Artisan Class—The medium of instruction is Vernacular The course is thoroughly practical accompanied with tutorial classes and aims at improving methods of Indian dyers Special short courses are arranged in Dyeing and Calico-printing for the benefit of those engaged in trade

Standard of Admission—Applicants for Foreman Dyer Class should be either matriculates of any University or holders of School leaving Certificates Number of admission is 15 only

Applicants for Artisan class must know either Hindi or Urdu

Sugar Making pays in these days Read Sugar in India Rs. 3-8.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

Fees—(1) No tuition fees from bonafide residents of U. P. (2) Non-U P. students have to pay Rs 360 per annum (3) Games fee Rs. 6 per annum from all students All fees payable in advance

The session commences from 1st July and application for admission should reach the Principal not later than 20th June

Limited hostel accommodation is available A monthly rent of Re 1 is charged Students are required to make their own messing arrangements A monthly expense of Rs 20 to Rs 25 would suffice

GOVERNMENT SILK WEAVING & DYEING INSTITUTE,
Berhampore, (Bengal).

This Institute is the only one of its kind in Bengal, equipped with all kinds of improved hand and power loom, silk reeling and weaving machinery It has further attached to it an up-to-date dye house and is provided with an aerograph printing plant

Two courses of instruction are offered at this Institute, namely, (i) Advanced, and (ii) Artisan Course

The course for advanced students extends to 2 years and begins in July each year Candidates between 16 to 25 years of age, who have passed the school Final Examination, the Matriculation Examination or Senior Madrasa Examination, or have been trained in one of the technical school to qualify themselves for admission into this Institute, are given preference

Ten stipends of Rs 10 each per mensem are available, both in the first and second year course Four stipends in the first year and 4 in the second year courses are reserved for Muhammadans No schooling fees are charged

The Artisan Course is specially meant for sons of silk-weavers and reelers There is no restriction of age or qualifications But a candidate having at least elementary education is preferred Fifteen scholarships of Rs 6 each and 15 scholarships of Rs 4 each per mensem, tenable for 1 year, are offered to this section

Permanent hostels for Hindu and Muhammadan students under the supervision of a Superintendent have been started Students make their own messing arrangement A student can comfortably live at Berhampore at a cost of Rs 13 to Rs 14 per mensem Each student of the Advanced Course is charged Re 1 per month as seat rent plus annas 4 for furniture tax in addition to municipal tax which comes to about 6 to 8 annas per student per mensem The Artisan students have been exempted from seat rent.

Students are also trained here in the aspects of silk weaving, dyeing, and printing, with a view to prepare them to take up responsible posts as Managers of factories and organisers of the silk industry

GOVERNMENT TEXTILE INSTITUTE
Bulandshahr, U P.

The School has two sections, Weaving and Cotton Printing Applications for admission will be made not later than July 15. No fee will be charged from residents of the United Provinces No fee is charged in the Hostel, but students make their own arrangements for food which cost about Rs 7 per mensem. The age of students should not be less than 16

GOVT. WEAVING INSTITUTE, GAUHATI, ASSAM.

The Institute provides the following courses of instruction —(1) Elementary course of one year for boys. (2) Elementary course of one year for females; (3) Advanced course of one year for boys only, and (4) Short course for professional weavers

Start a New Industry! Read MANUFACTURE OF RUBBER GOODS, Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Boys between 15 and 25 years of age, of sound physique and with some general education are eligible for admission, preference being given to pupils belonging to the Weaving classes. Females into the Female Section of the elementary course should have a working knowledge of either Assamese or Bengali and simple calculations. There is no restriction as regards age or educational qualification of a candidate for the short course.

Sessions for the first three courses begin in July each year. Professional weavers for the short course may be admitted at any time according to convenience. Applications for admission into the first three courses must reach the Weaving Superintendent on or before 1st July in the prescribed form. Fifteen stipends of Rs. 12 per month each are annually awarded to selected candidates for the course I and III and of them 5 are reserved for students of the advanced course.

No fees are charged to students but a deposit of Rs. 5 must be made before a candidate is admitted against any damage caused wilfully or by gross negligence.

There are two attached hostels. No fees are charged for the rooms, but students shall make their own arrangements as to cooking. Each hostel has accommodation for 16 students.

GOVERNMENT WEAVING INSTITUTE, SERAMPORE.

Two distinct grades of instruction are given:—Higher classes and lower or Artisan classes. Candidates for higher classes must have passed the School Final Examination, Science Side of the University Matriculation Examination or have passed the School Final Examination of Science Technical Schools affiliated to the Overseer Examination Board up to the Sub-Overseer standard. Session begins in the third week of July. Course of study three years. Students passing the Final Examination are given a diploma. Lower Classes are intended primarily for the benefit of Bengal weavers. Course of study one year. Scholarships awarded to meritorious students.

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Indian Advt. Agency, Poona.
Ramanlal Chunilal, Hajam Shary, Broach.
Sremanlal R. Gandhi, Sangadiawad, Gopipura, Surat. (Agent for Industry).

CALCUTTA.

All India Advertising Bureau, 1, Jagomohan Mullick Lane, Calcutta.
All India Art & Advertising Agency, 9-B, Palit St., Calcutta.
Aurora Art & Advertising Co., 14, Hare Street, Calcutta.
Bengal Advertising Agency, 12, Dalhousie Sq., East, Calcutta.
Bengal Publicity Co., 6, Stephen House, 5, Dalhousie Square, Calcutta.
Bengal Service Society, 15, Clive Row, Calcutta.
Calcutta Open Air Publicity Co., 9/1, Dover Lane, Calcutta.
Calcutta Publicity Service, 61/2A, Raja Rajballav St., Calcutta.
Central Publicity Service, 159B, Mechua Bazar Str., Calcutta.
Economic Advertising Agency, 158, Muktaram Babu St., Cal.
Equitable Advertising Agency, 14, Clive Street, Calcutta.
Eureka Publicity Service, 157B, Dhurrumtolla Street, Calcutta.
Expert Advertising Agency, 130, Cornwallis Street, Calcutta.
Express Publicity Service, 84A, Clive Street, Calcutta.

Prepare patent medicines for the market. Read PHARMACEUTICAL PREPARATIONS, Re. 1-8, Industry Book Dept., Calcutta.

Garett & Garett, 2, Commercial Bldgs., Clive St., Calcutta.
Globe Publicity Service, 11, Clive Row, Calcutta.
Hindustan Publicity Service, 25/1A. Mechua Bazar Street, Calcutta
Ideal Advertising Agency, 54, College Street, Calcutta
Lucky Advertising Agency, 1B, Swallow Lane, Calcutta.
Mazumdar's Advertising Agency, 11, Guruprosad Ray Lane, Cal
Metropolis Agencies, 24, Strand Road, Calcutta
Metropolitan Publicity Service, 15/2, Raghunath Chatterji St, Calcutta
N K Sarkar, 10, Chowringhee Road, Calcutta
National Advertising Agency, Jadabpur, Near Calcutta
New Fancy Advertising Agency, 4B, Kasi Bose Lane, Calcutta
Publicity Art Syndicate, 30, Grosvenor House, 21, Old Court House Str, Calcutta
Publicity Society of India Ltd, 1, Waterloo St, Calcutta
Publicity Studio, 367, Upper Chitpur Road, Calcutta
R P Dutta 1/2 Salimpur Road, Dhakurea, Calcutta
Radiant Display (India) Ltd, 1, Waterloo St, Calcutta (Tramway advtg)
Raghunath & Co, 7, Lyons Range, Calcutta
S H Moffatt, 57, Chowringhee, Calcutta
Trades Advertising Company, 1B, Swallow Lane, Calcutta
Universal Advertising Agency (India) Ltd, Daga House, 8 Canning St, Calcutta

CENTRAL PROVINCES

C P Advertising Agency, Kamamia Gate, Jubbulpore
Hanumatha Rau, 1074, Second Modi Line, Sitabaldi, Nagpur.
S V Gokhale, Mahajan's Chawl, Nagpur
Uttam Chandra Choubai, Katol, Nagpur

DELHI.

B N Gupta, 106 Shradhanand Bazar, Delhi
Continental Advertising Co, Delhi and Lahore (Also printers & blockmakers)
J. M Jaina & Bros, P. O. Box 76, Mori Gate, Delhi
Overseas Publicity Co, Kucha Brij Nath, Chandni Chowk, Delhi
Raja Jupitor & Co, Dariba Kalan, Delhi
Upper India Advertising Agency, Burn Bastion Rd, Delhi

INDIAN STATES.

Central India Advertising Syndicate, 15, Bhimgar's Street, Indore City, C I
M S Gopalan, 4th Main Road P O Malleswaram, Bangalore
New Eastern Trading Co, Rajendra Road, Jamnagar
P S M Swamy, Bowringpet, Kolar, Mysore
South Indian Advertising Agency, 13, Killiari Rd, Bangalore.

KARACHI.

Jagtiani's Publications Co, 9, Caesar Castle, Garrikhata, Karachi
Malany & Co, Bunder Rd., Karachi

LAHORE.

Arrow Publicity Service, Rashid Road, Lahore
Continental Advertising Co, Ltd, Beadon Road, The Mall, Lahore
Indian Advertising Bureau, P O Box 188, Lahore
Indian Publicity Service, Outside Shahalmi Gate, Lahore
Laurels Publicity Service, The Mall, Lahore
Publicity Ltd, Post Box No 131, Lahore

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Kalappan's Advertising Agency, 145, Sunkurama Chetty Street, Madras
Modern Publicity Company, 186, Mount Road, Madras
Modern Travelling Advertising Co, 186, Mount Road, Madras
Rao's Advertising Agency, 17, Broadway, P O Box No 49, Madras (Agents for Industry)

Prepare patent medicines for the market. Read PHARMACEUTICAL PREPARATIONS, Re. 1-8 Industry Book Dept, Calcutta.

Royal Advertising Agency, 17, Veerappan Street, George Town, Madras.
Vasan's Advertising Centre, Krishna Bhavan, Vepery P.O., Madras.

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Advertising Agency, Big Bazaar St., Trichinopoly.
C. M. V. Advertising Agency, 197, East Veli Street, Madura.
Express Publicity Co., Vizagapatam, Mg. Agents:—Esvier & Co.
General News & Advertising Agency, West Gate, Madura.
Gupta Bros., 2, Chunnambukara Street, Trichinopoly.
Madura Bill Posting Co., West Gate, Madura.
P. V. Easwara Rao. 495, Hodgsonpet, Conjeeveram, Madras.
Pani's Advertising Agency, Attikkadai, Koradacheri, S. I. Rly.

ORISSA.

Modern Advertising Service, Sutahat, Cuttack.

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A. K. Ghazi, Basti Nau, Jullundur.
Advertising Emporium, Ludhiana.
Asadulla Khan & Co., Basti Nau, Jullundur. (Also printers).
Cosmopolitan Publicity Co, Sialkot City.
English Book Depot, Wazirah Bldgs., Ferozepore Cantt.
Ghazi Trading Co., New Basti, P. O. Basti Guzar, Jullundur.
Globe Advertising Agency, Kasur, Lahore Dist.
Jangra Commercial Agency (Regd.), Ludhiana. (Also Agents for Industry).
Jogindra Commercial Agency, Ludhiana.
National Advertising & Mercantile Agency, Commerce House, Ludhiana.
S. M. Saied Batta & Co., Kasur, Lahore Dist.
Santram Chopra & Sons, Kot Mohd. Amin Khan, Jullundur.
Vaid Bros., Samloti, Kangra.

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Guzerat Advertising Agency, Rangoon.
Mirza Mohd. Takee, P. O., Kemmendine, Rangoon.

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All Indian Advertising & Order Supplying Agency, Allahabad.
Aligarh Advertising Agency, Aligarh, U. P.
Benares Advertising Agency, Meerghat, Benares City.
Hindusthan Agencies Co., 5-A, Hewett Road, Lucknow.
Imperial Commercial House, Lucknow.
Indian Trading Co, 170, Johnstonganj, Allahabad.
Kailash Advertising Agency, Lalaka Bazar, Meerut City.
Kamala Bhandar, 45A, Nazirabad, Lucknow.
Oudh Advertising Agency, Pura, Fyzabad.
Padma & Co., Padma Bldg., Agra.
Ramkrishna Publicity Service, Benares City.
Reliance Advertising Bureau, Talaqmahal, Cawnpore.
Sharman, Paticash & Co., Benares City.
T. D. Bose & Sons, 112, Aminabad, Lucknow.
Welcome & Co., Anath Bhaban, Cawnpore.

AGENTS, FORWARDING, SHIPPING & CLEARING.

(See also Shipping Information).

BENGAL.

Maksud Ahmed Md., Strand Road, Chittagong.

BIHAR.

Sahoo Bhagwan Das, Birgunj, P. O. Raxaul, Dt. Champaran.

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Anglo-Indian Carrying Co., 5, Graham Road, Ballard Estate, Bombay; 103, Clive Street, Cal.
Bhawanidas & Sons, 328-330, Samuel Street, Vagadi, Mandvi.

You like to prepare chocolate, lozenges, drops, etc. Read MANUFACTURE OF CONFECTIONERY. Industry Book Dept., Cal.

Grahams Trading Co, Ltd, Graham's Bldgs., Parsee Bazar St., Bombay.
Grindlay & Co, Nicol Road, Ballard Estate, Bombay, 6, Church Lane, Calcutta.
H J Amin & Co, Amarchand Building, Ballard Estate, Bombay
Jeena & Co, Gresham Bldgs, 45, Esplanade Road, Fort, Bombay
Mackinnon, Mackenzie & Co, Ballard Road, Bombay
National Transport Co, Wakefield House, Ballard Estate, Bombay
Overseas Trading Co, 20, Jambulwadi, Off Kalbadevi Rd. Bombay.
Padamshi Kanji, 10, Musjid Bunder Road, Bombay
Tulsidas Khimji, 46, Church Gate Street, Fort, Bombay

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Shah Bhagat Dalal & Co, Bilimora, Surat

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Abdul Raheem & Sons, 15, Market St, Calcutta
Asiatic Export and Import Co, 62/5/1A, Beadon Street, Calcutta
Atlas Agency, 20, Strand Road, Calcutta
Bysack's Landing & Shipping Agency, 26-A, Clive St, Cal
Calcutta Shipping Agency, 2, Commercial Bldgs., Clive St., Calcutta.
Calcutta Shipping Bureau, 84/A, Clive St, Calcutta
Clive Shipping Agency, 102, Clive St, Calcutta
Commercial Carrying Co, Ltd, 28, Pollock St, Calcutta.
Commercial Stores Supply Co, 26-A, Clive Street, Calcutta
Cox & King's (Agents) Ltd, 5, Bankshall Street, Calcutta, McLeod Road, Karachi
Dalhousie Shipping & Agency Co, 53, Stephen's House, 5, Dalhousie Sq, East, Calcutta
G D Daga & Co, Daga House, 8, Canning St, Calcutta
General Trading Corporation, 11, Clive Row, Calcutta
George Waller & Co, 29, Dalhousie Square Calcutta
Ghosh & Co, 25-B, Raja Bagan Junction Road Calcutta
Indian Shipping Co, Ltd, 8, Royal Exchange Place, Calcutta
International Shipping & Clearing Agency, Custom House, Main Building, Calcutta
Ishaq Chandna Ltd., 71, Canning St., Calcutta
Midland Transport Agency, 8, Dalhousie Square East, Calcutta
Overland Import and Export House, 23, Kali Dutt Street, off Grey Str, Calcutta
S C Sarkar & Sons, 2, Charnock Place, Calcutta
S G Ghosh, 7, Ezra Street, Calcutta
Search Light Clearing Agency, 19, Strand Road, Calcutta z
Trikamdas Rowji Sons, 45-2, Wellington Street, Calcutta
Universal Agency, 1A, Swallow Lane, Calcutta.
Upper India Clearing & Shipping Agency, 2A, Mission Row, Calcutta

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Hd. Office:—11, Clive Row, Calcutta.

Branch Office:—701, Merchant Street, Rangoon.

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H C Fernandez & Co, Calvetty Road, Cochin

P K Pereira & Sons, Main Rd, Trivandrum Travancore

KARACHI.

Baloo Singh & Co, Bunder Road, Karachi

Kaikobad Pestonji Kakalia, Nicol Road, Karachi

Karachi Landing and Shipping Office, Native Jetty, Karachi

M P Dastur & Co, Bunder Road, Karachi

Overseas Clearing & Transport Agency, Katrak Terrace, Machi Miari, Karachi

Parsram & Co Bunder Road, Karachi

Premier Shipping and Clearing Co, Bunder Road, Karachi

S I & G, Fazul Ellahie, 2, Campbell St, Karachi

LAHORE.

Eastern Express Co Ltd Charing Cross, Lahore, Bunder Road, Karachi

MADRAS CITY.

Binny & Co Ltd, Armenian St, Madras

Chetty, V K, 38, Errabalu Chetty St, Madras

G E Sampathu Chetty & Co, 299, Esplanade, Madras

Govindji R Mehta, 1-94, China Bazar Rd, Madras

P Holt & Co, P Box 237, Madras

Pereira & Sons, 7/8, McLean Street, G T, Madras Br — Colombo, Tuticorin, Trivandrum,

R Krishna & Co, 15, Seniamman Koil St, Tondiarpet, Madras

Sugesan & Co, 109, Moore St, Madras

South Indian Export Co, Ltd, P O Box 37, Madras

Spencer & Co, Ltd, Mount Rd, Madras

T A Taylor & Co Ltd, Armenian St, Madras

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Aspinwall & Co, Ltd, South Cotton Rd, Tuticorin

Coromandel Co, Ltd, Vizagapatam

East Coast Co of India, Vizagapatam. Mg. Agents—Esvier & Co

English and Scottish Joint Co-operative Wholesale Society Ltd, Calicut, Malabar

K Coonhammad Kaya, Khan Sahib, Ceylon House, Calicut

Madura Co, Ltd, Madura Br — Tuticorin, Negapatam, Calicut, Tellicherry and Trivandrum

Nandagopal Chettiar, Pondicherry.

Oomersee Kesowjee & Coy, Camp Bazar, Cannanore

Ripley & Co, Bimlipatam

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Harperink, Smith Co, 608, Merchant St, Rangoon

SIND.

Mohini & Co, Rohri, Sind

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Tewary Bechar & Co., Ltd., Jamshedpur. (Com. Agts).

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Gilbert Lodge & Co., 51, Church Gate Street, Bombay.
V. L. Gadekar, Simplex Bldg., Bombay 4.

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B. B. Sathe & Bros., 436, Sadashiv Peth, Poona 2.
Balmukund Maneklal Shah & Co., Chauta Bazar, Ankleshwar, Broach.
C. H. Talati & Co., Saloon Bazar, Nadiad, Kaira.
E. A. Mirza, Jumma Musjid, Chowk Bazar, Surat.
Gavankar & Co., Nasik.
H. M. Mehta & Co., Billimora, Surat.
Jupiter Trading Co., Madan Mohan Bldg., Mehsana, N. Gujrat.
Matha Narvekar & Co., Margoa, Salsette, Goa.
T. R. Deshmukh & Co., Mahajan Lane, Ahmednagar.
V. D. Narvekar, Varca, Salsette, Goa.

BURMA.

Burma Trading Agency, Yamethin, Burma. (Agencies—Rangoon & Mandalay.)
Nizamuddin, Taung Dwingyi, Dt. Magwe, Burma.
San Goe Aung, Strand Road, Akyab. (Importer of Umbrellas).
S. R. Ganapathy, Lakshmi Villa, Thingangyan, Rangoon, Burma.

CALCUTTA.

A. D. Pal & Co., 113/114, Khangraputty Str., Calcutta.
B. A. & Bros., Oriental Bldgs., 2 & 3, Clive Row, Calcutta.
Bengal Income Tax Agency, 199A, Cornwallis Street, Calcutta
British India Public Debt Collection Co., 5, Hastings St., Calcutta.
Das & Bhowmick, 9A, Dalhousie Sq. East, Calcutta. (Manufacturers' Agent).
Duncan & Co., 101, Clive Street, Calcutta.
Enterprising Society, 43/1, Upper Circular Road, Calcutta.
J. N. Bose & Co., 57-5, Raja Dinendra St., Calcutta.
Rabindra Nath Sarkhel, Oriental Home, 135, Bowbazar St., Calcutta.
R. J. Bawa & Co., 19, Dum Dum Road, Calcutta. (Agents, Match Factory).
Reid & Co., 5, Clive Ghat St., Calcutta.
S C. Roy & Co., 167/3, Cornwallis St., Calcutta & 36, Dharmatala St., Calcutta.

CENTRAL INDIA.

K. Bishanlal, Chotta Bazar, Mhow, C. I. (Matches & Cigarettes).

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C P. Service Securing Agency, Jonesganj, Jubbulpore.
Singhai Mojilal Amritlal, Kolwali Bazar, Jubbulpore.

DELHI.

Dhanpat Rai & Son, Delhi.
King King & Co., 1, Kashmir Gate, Delhi.
Lala Mithanlal & Co., 774, Patiram St., Delhi.
N. C. Goela & Sons, Pipal Mahadeo, Delhi.
Raja Jupitor & Co., Dariba Kalan, Delhi.
S. M. Siddiq Kalia & Co., Sudder Bazar, Delhi.
S. N. Chopra & Sons, 981, Nat Wara St., Delhi.
Service Securing Agency (Regd.), Burn Bastion Road, Delhi.

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Badruddin & Sons, Katmandu, Nepal.
Esmailjee Ebrahimjee, Motichopta, Udaipur, (Rajputana).
Fonseca & Co., Sanganar Gate, Jaipur.
Friends Union, Agent, Jogenmohan Palace Road, Mysore.
Frontier Trading Coy., Jauhri Bazar, Jaipur City.

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International Trades Ltd., Station Road, Trivandrum, Travancore.
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Mukandas Pansari & Sons, Sadar Bazar, Jodhpur.
Mysore Mart, Sayyali Road, Lansdowne Bldg., Mysore.
N. Sankunny Pillai & Bros., N. Parur, Travancore.
P. S. M. & Sons, Bowringpet, Kolar, Mysore.
Ram Kumar Suraj Baksh, Jaipur.
Santa Kumar Suraj Baksh, Jaipur
Santa Laxmi & Co., Lakshmi Building, Raichur, Hyderabad, Deccan.
Shree Krishna Trading Agency, Shimoga Road, Shimoga, Mysore State. Br:—Bhadravati & Big Bazar.
Vijendra & Co., Bangalore City, Mysore.

KARACHI.

Gidwaney Bros., Bunder Road, Karachi.
Ismailjee Alibhoy & Sons, New Market Road, Karachi.
Kooverji N. Damji Devji, 2, Denso Hall, Kutchiwada Lane, Karachi.
M. B. Dalal & Co., Bunder Road, Karachi.
S. Raja Singh & Sons, Karachi: Kanak Mandi, Amritsar.
Seth Gohumal Dassamal, Jodia Bazar, Karachi.

LAHORE.

B. L. Rampaul, Katra Purbian, Khurd, Lahore.
G. Balhaya & Co., Lange Mandi, Lahore.
H. M. Chopra & Sons, Anarkali, Lahore.
Janki Das & Co., Post Box No. 135, Nila Gumbad, Lahore.
K. H. Gandhi & Sons, Nicholson Road, Lahore.
Kandawala & Co., The Mall, Lahore.
Narinjandas, Badami Bagh, Lahore. (Com. Agts. Toilets & Swastika Oil).
United Commercial Co., Chapper Wali Str., Gumti Bazar, Lahore.

MADRAS CITY.

A. R. Rangachari, 1/64, Mint St., Park Town, Madras.
Garage Ltd., Mount Road, Madras. (Motor Agents).
Huson Todd & Co., Chartered Bank Buildings, G. T., Madras.
Seth Govindaram Jaigopaldas, 114, Sowcarpet, Madras.
Standard Supplies Co., Inc., Triplicane, Madras.

MADRAS PRESIDENCY.

A. Mammad Soopy Kutty, Baliapatam, Malabar.
A. S. Gopalkrishnan, Western Boulevard Road, Trichinopoly.
Abdul Kareem & Co., Main Road, Vizianagram P.O., Vizagapatam.
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B. S. Ram & Son, Ellore, Godavary.
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Jairam Singh & Co., Chawk Manna Singh, Amritsar.
K. M. Omars, Noorsofi Road, Ludhiana.
Kalseys Singh Company, 1, Kalsey Buildings, Amritsar.
Kalyan Singh & Co., Tarn Taran, Amritsar.
L. Lakshmi Chand Bhandari, Adyan Street, Ludhiana.
L. Wazir Chand, Kangra, Punjab.
M. L. Makhija & Son, Multan City.
Mihrudin & Co., Hall Bazar, Amritsar.
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R. D. Dusaje, 1332, Wattgunj, Ludhiana.
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SIND.

Pessumal Dipchand Bhatia, Near Santdas Well, Rohri, Sind.
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UNITED PROVINCES.

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German Trading Agency, Lalaka Bazar, Meerut City.
Haji Mahboob Buksh Ehsan Elahi, Meston Road, Cawnpore.
International Trade Service Bureau, Allahabad City.
J. K. Gupta & Sons, 58, Bans Ki Mundi, Moradabad.
K. C. Bros., Lala Ka Bazar, Meerut City.
Khan & Khan, Baghia Maniram, Cawnpore.
M. Zaw, Zaw Bldg., Rakabgunge, Lucknow.
N. N. Rupta, Opp. Fort, Jhansi.
R. L. Singhal, 4, Baidwara St., Meerut.
Railway Claims Office, Meerut.

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K. Jivaraj & Co., 12/14, Mangesh Senoy Street, Bombay.
Lidbetter & Company, 11, Tamarind Lane, Fort, Bombay.
M. J. Shah, Lalsingh Bldgs., Lohar Chawl, Bombay 2.
M. P. Goculdas & Co., 49, Church gate Street, Fort, Bombay.
Mohan Sons & Co., 22, Apollo St., Fort, Bombay 1.
Vithaldas P. Reshamvala & Co., 1, Kumbhartukela, Bhuleswar Rd., Bombay.

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Ambalal Chhotalal Engineer, Chhoti Bazar, Daira, Palanpur, N. Gujrat.
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M. R. Bhatt, Broach.
Mohanlal Bhalabhai & Co., Four Roads, Gandhi Road, Ahmedabad.
Nanalal V. B. Zaveri, Kasur Mama's Chakla, Broach.
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V. V. Gole, Shaniwar Peth, Poona.

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Burma Trading Agency, Yamethin, Burma. Agencies—Rangoon & Mandalay.

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Andrew Yule & Co., 8, Clive Row, Calcutta.
Bird & Co., Chartered Bank Bldgs., Clive Street, Calcutta.
British Traders & Company, 8, Royal Exchange Place, Calcutta.
D. M. Das & Sons, 28, Dalhousie Square, Calcutta.
Eastern Merchants, (Estd. 1920) 14, Old Court House Lane, Calcutta.
Enterprising Society, 43/1, Upper Circular Road, Calcutta.
Gangjee Sajun & Co., 11, Clive Street, Calcutta.
Gillanders Arbuthnot & Co., 8, Clive Str., Calcutta.
Guha & Co., 2/1, Beltala Road, Calcutta.
Guha & Co., 12, Dalhousie Sq., Calcutta. Agent to the Popular Insurance Co., Ltd., for Bengal, Orissa & Assam.
Jardine Skinner & Co., 4, Clive Row, Calcutta.
Ray & Co., 14, Hare Street, Calcutta.
Sen & Co., 10, Clive Row, Calcutta.
Turner Morrison & Co., Ltd., 6, Lyons Range, Calcutta.

CENTRAL INDIA.

S. K. Parekh, Main St., Mhow.

DELHI.

G. D. Tandon, Chandni Chowk, Delhi.

INDIAN STATES.

Jshurlal Chimanlal & Co., Baroda.
K. L. Anjaneya Raja, "Circle View," Visveswarapuram, Bangalore City.
Parry & Co., Cochin.
Pierce Leslie & Co., Cochin.

LAHORE.

Dina Nath Kouli & Coy., 13, Gowalmandi, Lahore.

MADRAS CITY.

Kartik & Co., 33, South Tank Sq., Triplicane, Madras.

MADRAS PRESIDENCY.

Esvier & Co., Vizagapatam.
Fairworth & Co., Hampankatta, Mangalore, S. Kanara.
Gupta & Co., Agraharam St., Erode.
Gupta Bros., 2, Chunnambukara Street, Trichinopoly.
P. S. Rajam, Salem.
Wilson & Co., Cocanada.

PUNJAB.

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Nukalasin Sachar & Sons, Civil Lines, Gujranwala.

RANGOON.

Indo-Burma Underwriters Ltd., 53-55, Mogul Street, Rangoon.

SIND.

Jhamatmal & Co., Hirabad, Hyderabad, Sind.

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B. G. Kacker, B. Sc., 17/3, The Mall, Cawnpore.
Bagla Bhartiya & Co., Generalgunj, Cawnpore.
D. Rai Jainy, Kahoo-Kothi, Cawnpore.
E. A. Cline & Co., 30, Elgin Road, Allahabad.
Haji Mahboob Buksh Ehsan Elahi, Meston Road, Cawnpore.

Start Chemical Industries. Get ideas from CHEMICAL INDUSTRIES, Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Insurance Publicity Bureau, Hardwar, U. P.
J. P. Govila, Manak Chowk, Algarh, U. P.
N. K. Bhartiya, Shatranji Mohal, Cawnpore.
Puris Insurance Agency, 172-75, Bazaza Park, Lucknow.
Ratilal B. Modi, Civil Lines, Cawnpore.

AGENTS, LAND & ESTATE.

BENGAL.

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Windgate & Co., 375, Hornby Road, Fort, Bombay.

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David Sassoon & Co., Ltd., 4, Lyons Range, Calcutta.
E. T. McCluskie, 2, Park Street, Calcutta.
Eastern Land & Investment Co. Ltd., 10, Canning Street, Calcutta.
F. Coolingwood, Govt. Place East, Calcutta.
N. K. Sarkar, 10, Chowringhee Road, Calcutta.
Talbot & Co., Tower House, Chowringhee, Calcutta.

DELHI.

Raja Jupitor & Co., Dariba Kalan, Delhi.

LAHORE.

Kartar Singh Khosla, Saregn Lane, Lahore.
Land Invetment Co. Ltd., Charing Cross, Lahore.

MADRAS CITY.

Chakravarthi Co., 11, Mount Rd., Madras.
Madras Sales & Agency Co., 2, Singanna Naick St., G. T., Madras.
Premier Estate Agency, 16, Avalur Muthia Mudaly St., Madras.
South Indian House & Estate Agency, 1-9, Francis Joseph St., Madras.

MADRAS PRESIDENCY.

A. Bapiraju, B, T., Main Rd., Vizagapatam.
Mahomed Hashim Sait, Glanton, Ootacamund, Nilgiris.

PUNJAB.

Tola Ram Manuja & Sons, Husain Agahi, Multan City.

UNITED PROVINCES.

C. J. Young, Assembly Rooms, Naini Tal, U. P.
Khan & Sons, 6, New Rd., Dehra-Dun.

AGENTS, MANUFACTURERS'.

BENGAL.

B. Banik, Madhabpasa, Barisal.
Goenka & Co., Kurseong, Darjeeling.

BIHAR.

Baijnath Biswanath, Bhagalpur City.
Dalvar Chemical Co., Dinapore Cantt.

BOMBAY CITY.

Bien Artium Company, 1, Hem Kar Bye Lane, Baghbazar P.O., Calcutta.
Continental Drug Co. of India, Hornby Road, Bombay.
Frank Rose & Co., Imperial Chamber, Wilson Road, Ballard Estate, Bombay.
G. Loucatos & Co., Outram Road, Bombay.
G. S. Mahomed, Mahomed House, Samuel St. West, Bombay 3.
Heman & Co., Jambulwadi, East, Bombay. (Mars Pencil).
Imperial Trading Co., 7-10, Elphinstone Circle, Fort, Bombay 1.
India International Co., Ready Money Mansion, Churchgate Str., Bombay. (Condensed purified milk).
Jehangir J. M. Poonjiajee, G.P.O. Box No. 20, Bombay.
Kooverji Devshi & Co., Lohar Street, Bombay.

Start Chemical Industries. Get ideas from CHEMICAL INDUSTRIES, Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

London Eastern & American Trading Co., 22, Humum St., Bombay.
Meatile Bros. & Co., 42, Kolbhat Lane, Kalbadevi Road, Bombay 2.
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R. Jafferally, 38, Jail Road North, Bombay 9.
Seth Baldeosahai Surajmal & Co., 19/23, Vithalwadi, Kalbadevi, Bombay 2.
Siqueira & Son, 121, Fort Street, Fort, Bombay.
V. L. Gadekar, Khanderao Blocks, Girgaum Back Road, Bombay 4.
Vimalkant & Co., P. O. Box 3085, Bombay 3.

BURMA.

Burma Trading Agency, Yamethin, Burma. Agencies—Rangoon & Mandalay.

CALCUTTA.

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A. H. P. Jennings, Clive Building, Calcutta. (Allenbury's Food),
B. L. Sen Gupta, 84A, Clive Street, Calcutta.
C. C. Dutt & Sons, 40, Radha Bazar Street, Calcutta.
Calcutta & Eastern Trading Co., 21, Old Court House St., Calcutta.
Central Trading Co., 5, Nawab Badruddin Street, Calcutta.
Denis Malcolm & Co., E. Clive Buildings, Calcutta.
Eastern Merchants, 14, Old Court House Lane, Calcutta.
F. Racek & Co., 111, Radhabazar St., Calcutta. (Mars Pencil).
Fairfield Syndicate, 16, Bonfield Lane, Calcutta.
G. Cullen & Co., 29, Strand Road, Calcutta.
General Utilities Co., 26, Strand Road, Calcutta.
Ghosh & Son, 62/7, Mirzapur St., Calcutta.
H. W. Mayo, 11, Clive Street, Calcutta. (Eno's Fruit Salt).
Ishaq Chandna Ltd., 71, Canning St., Calcutta.
J. Mayr, 1, Mission Row, Cal.
J. P. Cronin, P. O. Box 2229, Calcutta (Horlick).
K. R. Patwardhan, 72, Canning Street, Calcutta.
Kaycee & Co., Ltd., Bharat Bhavan, Chittaranjan Avenue, Calcutta.
Lipton Ltd., 9, Weston Street, Calcutta. (Cowlac Skim Milk).
Marwari Stores Ltd., 160, Harrison Road, Calcutta.
Metropolitan-Vickers Electrical Co., Ltd., Hongkong House, Council House St., Calcutta.
Parnell & Co., Ltd., 17, Mangoe Lane, Calcutta.
S. N. Sen Limited, 8, Dalhousie Square, Calcutta.
Shimwell & Bros. (Cal) Ltd., 1, Royal Exchange Place, Calcutta. (Little's Phenoid).
Siddessur Sen & Co., (Merchants), Ltd., 33, Canning St., Calcutta.
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H. S. M. Ebrahim & Co., Mohalla Krishnaganj, Delhi.
R. B. Mathur (Agents) & Co., Katra Qutbuddin, Chandni Chowk, Delhi.
Raja Jupitor & Co., Dariba Kalan, Delhi.
Universal Benefit Co., New Delhi.

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Anil & Sons, Rajkot, Kathiawar. Br:—Dhoraji & Bhavavader.
Maganbhai Shankerbhai Patel, Gendigate Road, Baroda.
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Parkash Brothers, Maclagan Rd., P.O. Box No. 115, Lahore.

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Martin & Harris Ltd., 15, Sunkurama Chetty St., Madras; Rowlette Bldg., Princep Street, Cal.
T. A. Rama Row, 77, Armenian Street, Madras.

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Shah Company, Mangalore.
Universal Representatives Ltd., Cape Road, Nagercoil.

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Diwan & Co., Gadag, Dharwar Dt. (Also Comm. Agents).
Girdher & Co., Amritsar.
Gopal Singh Lamba & Sons, Bhagowal, Gujrat Dt., Punjab.
Majid & Co., Majid Buildings, Jamalsingh St., Amritsar.
Mohan Lal & Co., Inside Park Gate, Multan City.
N. D. Gupta, Berhampuri, Ludhiana.
S. S. Mela Singh & Son, Chowk Baba Atal, Amritsar.
Wyne & Co., Broad Street, Amritsar.

RANGOON.

Harperink Smith & Co., Ltd., 108, Merchant St., Rangoon.
Jael A. Samuels, 268/272, Phayre Street, Rangoon.
Service & Sales, P.O. Box No. 421, Ragoon.

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Haji Mahboob Buksh Ehsan Elahi, Meston Road, Cawnpore.
Indian Commercial Stores, Rakabganj, Lucknow.
S. A. Alexander & Co., Aziz Manzil, Cawpore.
Tandon & Co., Sondhitola, Chowk, Lucknow.

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Renwic & Co., Kushtea, Bengal.

BIHAR.

Tata Iron & Steel Co., Ltd., Jamshedpur.

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BOMBAY PRESIDENCY.

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Cooper Engineering Works, Satara. (Also founders).
Kirloskar Bros., Ltd., Kirloskarwadi, Satara.
Rowntree, McKenzie & Co., Ltd., Sholapur Road, Poona.

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Marshall Sons & Co., (India Ltd)., 99, Clive St., Calcutta.
Maya Engineering Works, Office 36, Russa Road, Calcutta. Workshop:—Ray Bahadur Rd., P. O. Behala, Calcutta.
N. M. Day & Co., 34, Mechua bazar St., Calcutta.
Planters' Stores & Agency Co., Ltd., 11, Clive St., Calcutta.

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Volkart Bros., 11, Clive St., Cal.
William Jacks & Co., 10, Clive St., Calcutta.

CENTRAL PROVINCES.

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V. G. Kale Bros., Craddock Market, Nagpur.

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Abdul Wahab & Sons, Chandni Chowk, Delhi.
L. Ganesh Das & Sons, Chandni Chowk, Delhi.

INDIAN STATES.

Chiragh Din Gul Mohd. Phagwara, Kapurthala State.
Dandika Bros., Sangli, S. M. C.
Hyderabad Engineering House, Hyderabad, (Deccan).
M. Karnick & Co., Basavangudi, Bangalore
Sayaji Iron Works, Baroda.

LAHORE.

Spedding & Co., 7, Lawrence Rd., Lahore.

PUNJAB.

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Eastern Metal Trading Co., Amritsar.
Kundan Mall Rakha Mall, Batala, Gurdaspur.
Mistri Kishen Singh & Sons, Chaura Bazar, Ludhiana.
P. A. Factory, Gujranwala.
S. Atma Singh, Batala, Gurdaspur.
Zahir Din Sahib Din, Gujranwala,

UNITED PROVINCES.

Bhagawati Pd. Singh & Shambhu Nath Singh, Pura, Fyzabad
Meerut Agricultural Development Co., Ltd., Budhana Gate, Meerut.

ALUMINIUM WARE MANUFACTURERS & DEALERS.

BENGAL.

Bengal Aluminium Works, Ltd., Bara Katra, Dacca.

BOMBAY CITY.

Bombay Aluminium Factory, Near Husani Baug, Madanpura, Bombay.
Dun Aluminium Factory, 107-109, Tardeo, Bombay.
Lullubhai Amichand, Tardeo Road, Bombay.
Northern Aluminium Co., Ltd., Exchange Bldgs., Ballard Estate, Bombay.
Wolverhampton Works Co., Ltd., Bank of Baroda Bldgs., Apollo Street, Bombay.

BOMBAY PRESIDENCY.

Gujrath Metal Factory, 21, Nehal peth, Poona.

CALCUTTA.

Aluminium Manufacturing Co., Ltd., 9, Clive St., Calcutta.
Crown Aluminium Works, 55/3, Canning Street, Calcutta.
Jeewanlal (1929) Ltd., 11, Clive Street, Calcutta; Kansara Chawl, Kalbadevi Rd., Bombay; 127, Mint St., Madras; 492, Dalhousie Street, Rangoon.
Phoenix Aluminium Works, 7 & 8, Chandalpara Lane, Salkea, near Calcutta.
Pratap Aluminium Works, 139, Benares Road, Salkia.
R. D. Dutt & Bros., 86-4, Harrison Road, Calcutta.
Radhakanto Dass, 210 & 211, Old China Bazar St., Calcutta.

DELHI.

Bombay Aluminium Mart, Chandni Chawk, Delhi.
Chhotelal Jaggin Mall, Chawri Bazar, Delhi.
Delhi Aluminium Stores, Chandni Chawk, Delhi.
Ganesh Das & Sons, Chandni Chawk, Delhi.

MADRAS CITY.

Bennet Wrenn & Co., Mount Rd., Madras.
Indian Aluminium Co., 32, Triplicane, Madras.
Sri Ganeshar Aluminium Works, 1, Singara Garden 4th Lane, Tondiarpet, Madras.

MADRAS PRESIDENCY.

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Balli Singh Bhagwan Singh, Bazar Kasera, Amritsar
Eagle Aluminium Factory, Gujranwala
Eastern Metal Trading Co, Factory, Amritsar
Popular Aluminium Manufacturing Co, Gujranwala
Punjab Aluminium Works, Amritsar

RANGOON

Rangoon Aluminium Works, 108, Insein Road Kamayut Rangoon

UNITED PROVINCES.

Shanker Factory, Benares

ANALYTICAL CHEMISTS & CLINICS.

Bactro Clinical Laboratory Ltd, 63-3 Mirzapore Street, Cal
Calcutta Bacteriological Institute P-21, Manicktolla Spur, Cal
Calcutta Polyclinic Limited 6A, Corporation Street, Calcutta
Clinical Research Association Ltd, College Street Market Calcutta
Clinical and Pharmaceutical Works Ltd, 134 Harrison Rd, Calcutta
Dr Bose's Laboratory, 45, Amherst Str Calcutta
E Stella & Co Wallace Street, Bombay
H K Sen D Sc 92, Upper Circular Road, Calcutta
J & R Hutchinson, 2, Church Lane Calcutta
Plummer Bros & Co, 5 & 6, Fancy Lane Calcutta
R V Briggs & Co, 8B, Lall Bazar St, Calcutta
Smith Stanistreet & Co Ltd, Auckland Road, Darjeeling
Standard Clinical Laboratory, 45, Amherst St Calcutta

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ASSAM

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Army & Navy Co-operative Society, Esplanade Rd, Bombay, 41, Chowringhee Rd, Cal
Esoofally Mahomedally 78, Bhoosari Mahalla Bombay
M Saleh & Co, 337, Abdul Rehman Street Bombay

BOMBAY PRESIDENCY.

Amirbhoy Mand Cloth Bazar, Viramgam, Ahmedabad

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Ashoo Tosh Daw & Co, 184, Dharamtala Street. Calcutta.
D N Biswas & Co, 10, Dalhousie, Square East Calcutta
K C Biswas & Co 1 Chowringhee Road Calcutta
Lyon & Lyon Ltd, 18-A, Park St Calcutta
M Biswas & Co, 4, Chowringhee Rd, Calcutta
Manton & Co 13 Old Court House Street Calcutta, Kashmere Gate, Delhi
Nursing Chunder Daw & Co, 9, Dalhousie Sq (East), Calcutta
R B Rodda & Co, 2 Wellesley Place Calcutta

DELHI

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L Ellison & Co,, Kashmere Gate, Delhi

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P Allaha Bux & Sons, Jaipur
Watts Bros Oxford Street, Secunderabad

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Byron & Co., The Mall, Lahore.

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N. V. Ramanujam Chetty & Co., 12, Popham's Broadway, Madras.
Oakes & Co., Ltd., Mount Rd., Madras.
P. Orr & Sons Ltd., Mount Rd., Madras.
Spencer & Co., Ltd., Mount Road, Madras.

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NAGPUR.

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Daulat Ram Vidya Perkash Sud, Moga, Punjab.
Gopal Singh Khusal Singh, Gujranwala.
Lala Sawan Mall, Samloti, Kangra.
S. S. Din & Bros., Ludhiana.

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P. N. Biswas & Co., 120-A, Johnstongunj, Allahabad.
Peerozeshaw & Co., Neemuch.
Pioneer Arms Co., Kashmir Gate, Delhi.

ARROWROOT MANUFACTURERS.

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Marsden Spinning & Mfg. Co., Ltd., Railwaypura, Gomatipur, Ahmedabad.
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Krishna & Co., Bhavani, Via Erode.

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Italian Marble Factory, Behind Grants Bldg., Arthur Bunder, Kolaba, Bombay.
J. J. School of Art, Bombay.

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Chunilal Manchharam Petigara, Limda Chock, Gopiseri, Surat. (Sandal wood and ivory casket).
Kalidas Ramji, Saidpura, Dhobi Sheri, Surat.
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INDIAN STATES

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Habib Joo & Sons, 3rd Bridges, Srinagar, Kashmir (Woodcarving, Papier mache)

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KARACHI

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LAHORE.

Arts & Crafts Depot, Lahore

Cottage Industries Ltd Lahore

Lahore Marble Works, Melaram Road, Lahore

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A Evenore & Co, P O Beat No 1, Cantt Trichinopoly

Albert Martin & Co, Hampan-Katta, Mangalore, S Kanara

ORISSA.

N Srinivasa Rao, Berhampore, Ganjam

PUNJAB.

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D Z Alfred & Co, Zahir Bldgs, Mahansigate, Amritsar

SIND.

Modern Mail Supply Co, Tilak Rd, Hyderabad, Sind (Locket)

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Indian Art Emporium, Shahi Mujid St, Moradabad

Indian Arts & Crafts Museum, Ry Station Road Moradabad

Indian Arts & Novelty Co, Bombay Bazar Meerut.

Oriental Art Studio, Mall, Cawnpore

R N K Shannon & Co "Shannon Art Mansion" Ry Stn Road, Moradabad, U P

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U P Art & Craft Emporium, Hazaratganj, Lucknow

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F Muraghia & Co, Elphinstone Circle, Bombay

Kooverji Devshi & Co, Lohar Street, Bombay

CALCUTTA

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A & N Banerjee Co, 84 A, Clive Street, Calcutta

Asbestos & Belting Co, Ltd, 2, Clive Ghat Street, Calcutta

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Beaver Geo & Co, 15, Clive St, Calcutta

Don Watson & Co, 19, British Indian St, Calcutta

Ellerman's Arakan Rice & Trading Co, Ltd, 4 Fairlie Place, Cal

Leyland & Birmingham Rubber Co, Ltd, Hongkong House, Council House St, Calcutta

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All-India Astrological & Astronomical Society, 105, Grey Street, Calcutta

Calcutta Astrological & Astronomical Association, 16, Kashi Mitter Ghat St, Calcutta

Calcutta Astrological Syndicate, 9, Grey St, Calcutta

Swami Premananda Ashram, Barnagore, Calcutta.

MADRAS CITY.

Dharma Raj Mudaliar, Consulting Astrologer & Spiritual Healer, 29-30, Pilliarcoil Street, Triplicane, Madras

Pandit N Amritananda, M2 29, North Mada Str, Mylapore, Madras

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Branches —Madras, Karaikudi, Tuticorin, Kumbakonam, Erode & Virudhunagar

Industrial & Rural Bank Ltd, 24, Strand Rd, Calcutta

Industrial Bank of Western India, Mirzapur Road, Ahmedabad

International Banking Corporation Ltd., 4, Clive St, Calcutta

Karachi Bank Ltd, Bunder Road, Karachi

Karimganj Industrial Bank Ltd, Karimganj, Sylhet

Karnani Industrial Bank Ltd, 55, Park Street, Calcutta

Keralavilasam Bank Ltd Tiruvalla Travancore
Br —Alleppey, Cochin, Calicut, Ernakulam, Mathandom Peermade Tiruvalla Trivandrum & Tinnevelly

Khulna Banking Corpn Khulna.

Khunti Central Co-operative Banking Union Ltd, Khunti, Ranchi Dt

Konaseema Co operative Central Bank Amalapuram, E Godavary

Kumbakonam Bank Ltd, 29, Town High School Rd, Mannargudi S I

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Branches —Bombay, Karachi, Rawalpindi Srinagar, Murree, Gulmarg, New Delhi, Amritsar, Lahore, Rangoon Delhi & Simla

Luxmi Industrial Bank Ltd., 80, Chowringhee Road, Calcutta.

Madhwa Bank Ltd, Dharwar

Madras Central Urban Bank Ltd, The Laz, Mylapore, Madras

Madras City Co-operative Bank Ltd, 10, Mukathal Rd Purasawakam, Madras,

Madras District Co-operative Central Bank Ltd, 20, Second Line, Beach, Madras

Madras Peoples Bank Ltd., 118, Armenian St, G T, Madras

Madras Provincial Co-operative Bank Ltd, Church Road, Mylapore, Madras

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Malabar Bank Ltd, Cannanore

Manickam Bank, Chalapuram P O, S Malabar

Mercantile Bank of India Ltd. 8, Clive Street, Calcutta Branches & Agencies —Calcutta, Howrah, Delhi, Simla, Bombay, Madras, Karachi, Rangoon, Colombo, Kandy, Galle, Penang, Singapore, Kuala Lumpur (F, M S), Kuala Lipis (F M S), Kota Bharu (Kelantan), Bangkok, Hongkong, Shanghai, New York (U S A), Kuantan (Pahang), Ipoh

Mitsui Bank Ltd, Gresha Bldg Fort, Bombay Post Box No 958

Morvi Mercantile Bank Morvi, Kathiawar

Muffosil Bank, Gorakhpur

Mysore Industrial Bank Ltd. Bangalore

Nagpur Central Bank Ld. Nagpur

National Bank of India Ltd, 104 Clive St, Calcutta Branches — Bombay, Madras, Karachi Chittagong Amritsar, Cawnpore, Delhi, Lahore Tuticorin, Cochin, Colombo Kandy, Newara, Eliya, Rangoon, Mandalay, Aden-Steamer Point (Aden) Zanzibar, Mombasa Nairobi, Nakuru, Kisumu, Eldoret, Entebbe, Kampala, Jinja Tanga, Dar-es-Salaam

National City Bank of New York, 4, Clive St, Calcutta

National Industrial Bank Ltd. Drummond Rd, Agra

Nederlandsch Indische Handelsbank, (Netherlands India Commercial Bank), 1, Royal Exchange Place, East, Calcutta

Nedungadi Bank Ltd, Robinson Road, Calicut Br —Ottapalam, Palghat, Badagara, Tirur Ernakulam, Trichur, Alleppey, Mangalore, Tellicherry, Trivandrum, Madras & Coimbatore

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New Bengal Bank Ltd, Kusatia, Nadia

Nilambur Bank, Calicut, Malabar

Noakhali Nath Bank Ltd Noakhali, Br —135, Canning Street, and 80, Cornwallis Street, Calcutta

North Bengal Bank, Rangpur, Bengal

Nowgong Atrai Bank, Rajshahi

Oriental Bank Ltd, 2, Ramesh Mitter Road Bhowanipore Calcutta

Overseas Chinese Bank Ltd, 60, Latter St, Rangoon

P & O Banking Corporation Ld, 1, Fairlie Place Calcutta

Pathiyara Bank, Calicut, Malabar

People's Bank of Northern India, Chandni Chowk Delhi

Pioneer Bank Ltd, Comilla

Pollachi Union Bank Ltd, Police Stn St Pollachi

Prabartak Trading & Banking Co, Ltd 61, Bowbazar St, Calcutta

Punjab Co operative Bank, Amritsar

Punjab National Bank Ltd, 47, The Mall, Lahore Branches — Agra, Abohar Allahabad Ambala City Ambala Cantt, Amritsar, Bombay, Calcutta, Cawnpore Delhi, D I Khan Ferozepore City, Gujranwala, Hafizabad, Hoshiarpore, Hyderabad (Sind), Jammu, Jaranwala, Jhang-Maghiana Jhelum Jullundhar City, Ludhiana, Lyallpore, Meerut City, Moga, Montgomery, Multan City, Okara, Patiala Karachi, Kasur, Lahore City, Peshawar City, Peshawar Cantt, Quetta, Rawalpindi City, Qila Sheikhupura, Sargodha,

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Quilon Bank Ltd., Hospital Road, Quilon. Branches:—George Town, Madras. Royapettah, Madras. Mount Road, Madras. Coimbatore, Coonoor, Erode, Madura, Tinnevelly Jn., Tinnevelly Town, Trichinopoly, Tuticorin, Vellore, C. & M. Station, Bangalore. Jaffna, Kandy, Cochin, Ernakulam, Hyderabad, Secunderabad, Bangalore City, Mysore, Alleppey, Alwaye, Chirayinkil, Kayamkulam, Kottayam, Sherthallai, Nagercoil, Trivandrum.

Raikat Industrial Bank, Jalpaiguri.

Raniwala Bank, Firozabad, Agra.

Relief Bank Ltd., 5 & 6, Hare St., Calcutta.

Rupee Bank Limited, Bharat Bhawan, Chittaranjan Avenue, Calcutta.

Saving & Helping Bank Ltd., Karachi.

Shamrao Vithal Co-operative Bank, Ltd., Gamdevi, Grant Road, Bombay 7.

Simla Banking and Industrial Co., Simla.

Sind Central Co-operative Bank Ltd., Karachi.

Sonar Bangla Bank Ltd., 137, Canning St., Calcutta.

Standard Bank of India Ltd., 268, China Bazar Road, Madras.

State-Aided Bank of Travancore, Ltd., Alleppey. Branches:—Trivandrum, Changanacherry, Cochin, Quilon, Kottayam, Kayenkulam & Ernakulam.

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Travancore Forward Bank, Kottayam.

Travancore Yogakshema Bank Ltd., Kottayam.

Travancore National Bank Ltd., H. O. Alleppey, Travancore. Branches:—Alleppey, Alwaye, Bangalore, Bombay, Calicut, Changanacherry, Cochin, Coimbatore, Colombo, Coonoor R.S., Devicolam, Dindigul, Ernakulam, Karaikudi, Kottayam, Kumbakonam, Madras (Broadway), Mount Road, Madras, Mylapore, Madras (Vepery), Madura, Martandam, Mangalore, Mannar, Ootacamund, Palghat, Parur, Perumpavoor, Pollachi, Pudukottah, Quilon, Salem, Srirangam, Tiruvalla, Tiruppur, Tinnevelly, Trichinopoly, Tripunithura, Trivandrum, Udumalpet, Virudhunagar.

Travancore Permanent Fund, Trivandrum, Travancore.

Union Bank of Bengal Ltd., 5, Clive Row, Calcutta.

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Urban Co-operative Bank Ltd., Chittagong.

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Chittagong Loan Co Ltd, Jatindramohan Avenue, Chittagong
Comilla Union Bank, Tipperah
Faridpur Loan Office Ltd. Faridpur
Gopalganj Loan Office, Gopalganj Faridpur
Hanutram Lekhram Agarwala, Kurseong.
Jagadamba Loan Office Birbhum
Jalpaiguri Banking & Trading Corporation, Jalpaiguri
Jessore Loan Company, Jessore.
Khulna Loan Company, Khulna
Mymensingh Loan Office Jamalpur, Mymensingh
Nasirabad Loan Company, Mymensingh
Panchanan Sen, Vill Mahadari P O Ahmedpur, Birbhum
R C Dey, Banking Corp, P O Roshangiri, Chittagong
Rangpur Loan Office, Rangpur
Tipperah Loan Office, Tipperah

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Kallu Babu Lallu Babu, Patna, City
Lokenath Prasad, Dhandhania, Bhagalpore
Mahendra Prasad Chapra
Manqniram Baijnath, Lakshmi Bhawan, Monghyr
Nirmal Kumar Jain Arrah
Rai Bahadur Bansidhar, Dhandhania, Bhagalpore
Raja Devaki Nandan Prasad Singh, Monghyr
Rambux Mahtha Achambit Lall, Muzaffarpur
Rattanlall Surajmull, Ranchi
Saraswati Devee, Badalpura, Khagaul, Dinapore
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Balabhai Jamnadas, Chang Pole, Richey Road Ahmedabad, (Shroff)
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Dahyabhai Mulchand, Ratanpole, Ahmedabad, (Shroff)
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Bogla & Co, 7, Lyons Range, Royal Exchange Place, Calcutta
Capital Loan Office, 36, Dhurrumtolla St Calcutta
Chamria Banking & Trade Co, Ltd, 100 Clive Street, Calcutta (Loan Office)
Gillanders, Arbuthnot & Co, 8, Clive St, Calcutta, 9, Strand Rd, Rangoon
Hindusthan Loan Co Ltd, 8-2, Hastings Street, Calcutta
Indian Investment Trust Ltd, 2, Royal Exchange Place, Calcutta

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Mehta Ajprasad Amniprasad, (Shroff), Ramprasad Govindram Sambhar Lake, Rajputana

Ramprasad Govindram, Sambhar Lake, Rajputana

Seth Chhappanji Rorji, Bhawaniganj, (Bhawanimandi Stn) Indore

Tarachand Parsotam (Shroff) Junagadh, Kathiawar

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Sukhrani Brothers, Doulatram Shroff Building, Mithadar, Karachi (Specialists in Premium Bonds)

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Pahladdas & Bhagwandas, Anarkali, Lahore

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Madras Corporation Central Land Mortgage Bank, Mount Road, Madras

Mutual Indemnity & Finance Corporation (India) Ltd, Mount Road, Madras

McRennett & Co., 2—141, Mount Rd., Cathedral P O., Madras.

Mylapore Hindu Permanent Fund Ltd, 22, South Mada St, Mylapore, Madras

Narayan Dass Gidardass, McLean St, Madras

National Trust, 29, Pillar Koil St, Triplicane, Madras

S N N Sankaralinga Iyer, 278, Linga Chetty St Madras

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Nellore District Co-operative Banking Union Ltd, Nellore

Pasumarti Purushotham Bros, Ellore, W Godavary

S N S S Nanoo Iyer, Madura

Tavva Rathnam, Ellore, W Godavary

Trichinopoly Varthagasangam, 65-57, Tanjore Rd, Trichinopoly.

V P Kavarohanam Pillay, Negapatam Tanjore

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Bakshi Hiranand Dewan Chand, Hazro, Attock

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Mangat Rai Banwarilal, Ferozepore City, Punjab

Rai Sahib Jai Chand & Sons, Rawalpindi

S S Mela Singh & Son, Chowk Baba Atal, Amritsar

Sahukera Corporation Ltd, Ludhiana

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Puran Chand & Chhatmall Bucha, P O Rongli, Sikkim

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District Co-operative Bank Ltd Agra
Gopaldas Banshidhar, Lucknow
Haldani Banking Corporation, Ltd, Haldwani, R K Ry.
Indian Trade Union, Lucknow
Jawala Prosad & Son, Chawk, Aligarh
Keshrimal Motilal Indorewala, Bailanganj, Agra
Madan Mohan Bros, Ashrafabad, Lucknow
Naram Das Gopal Das, Cawnpore
Ram Chandra Varshney, Varshney Palace, Hathras City
Raniwala Bank, Seth Amritlal Gulzarilal Raniwala, Firozabad, Agra
Tulsiram Sitaram, Rawatpara, Agra

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Bhubaneswar Chemical Works, 10, Pran Nath Pandit St, Bhowanipore, Calcutta (Pearl Barley)
Ghose & Sons, Bhagalpur
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Lakshmi & Co, Agts S C Shaw & Co 24A, Canning St, Cal (Red Cross Barley)
Lily Biscuit Co, 3, Ramkanto Sen Street, Ultadanga, Calcutta (Lily Brand Barley)
M L Bose & Co, Ltd, 14, Jagannath Dutt St, Calcutta
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Oriel's Absolute Barley, 37, Taltola Lane, Calcutta
Satya Charan Dutt, 99-3, Canning Street, Calcutta.
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Jasco Chemical & Allied Industries Co., 49, Dockyard Rd., Bombay.

Turner, Hoare & Co., Ltd., Gateway Bldg., Apollo Bunder, Bombay.

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CALCUTTA.

A. F. A. Accumulator Co., 99, Park St., Calcutta.

Allen Berry & Co., Ltd., 62, Hazra Road, Ballygunge, Calcutta.

Battery Ignition Co., 42, Free School Street, Calcutta.

Blackwood Blackwood & Co., 2, Mango Lane, Calcutta.

Britannia Batteries Ltd., (London), Bharat Bhavan, First Floor, Central Avenue, S., Calcutta.

Central Trading Co., 5, Nawab Badruddin Street, Calcutta.

Chloride Electrical Storage Co., Ltd., 4, Lyons Range, Calcutta.

Dodge & Seymour Ltd., Tower House, Chowringhee Sq., Cal.

Eastern Auto Parts Co., 6, Bentinck St., Calcutta.

Eastern Merchants, (Estd. 1920) 14, Old Court House Lane, Cal.

Ever Ready Co., (India), Ltd., 19, British Indian Street, Calcutta.

Fuller Accumulator Co. (1926) Ltd., 1, British Indian Street, Calcutta.

Ganeshdas Ram Gopal, 75, Chittaranjan Avenue South, Calcutta.

Heatly and Gresham Ltd., 6, Waterloo St., Calcutta.

Howrah Motor Co., Norton Bldgs., Lal Bazar, Calcutta.

India Battery Co., 114/3, Cornwallis St., Calcutta.

Indian Battery Mfg. Co., 58/C, Chowringhee Rd., Calcutta.

Indian Mercantile Agency, 14-1, Vivekananda Road, Calcutta.

Indian Motor Co., (Hazaribagh) Ltd., 2, Lyons Range, Calcutta.

New Motor House, Bharat Bhavan, Chittaranjan Avenue, Cal.

Nisha Products, 72, Gurpar Road, Calcutta.

Pritchett & Gold and E. P. S. Co., Ltd., Calcutta.

Rane Ltd., 356, Bow Bazar St., Calcutta.

Sakti Batteries Ltd., 124/1A, Russa Road, Kalighat, Calcutta.

Spence Ltd., 23, Convent Road, Entally, Calcutta.

Thornycroft (India) Ltd., 48, Diamond Harbour Rd., Calcutta.

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Duzzle Electric Works, Bohra's Bldg., Sanyogita Quay, Indore.

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National Traders Dept, R M P College Rd, Rawalpindi City.

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BOMBAY CITY

Hari Dhandoo Biri Work, 9, Khandewadi Lane, Bombay
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Madhurker Bidi Works, 441, Kalbadevi Road Bombay

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Bhikusa Yamasa Kshatriya, Nasik City
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Ladak Jan Mahomed, Gondia.
Maganlal Bhika Bhai, Lordgunj, Jubbulpore.
Mohonlal Hargovind, Tirora, Bhandara, C. P.
Radha Kishan Narayandas, Lordgunj, Jubbulpore.
Sheodayal Laxminarayan, Tirora, Bhandara,C. P.

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Ghatalah Industrials & Research India, Bangalore.
L. Jothi Rao Mane, Tank Road, Bangalore.
M. Sultan Pillai & Sons, Chalai, Trivandrum, Travancore.
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Nabi Sahib Panwalla, Gulbarga, Hyderabad, Dn.
Pir Badsha Sahib, Gulbarga, Hyderabad, Dn.
Suleman Janmohamed, Bantva, Kathiawar.

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A. Abdul Karem & Co., 58, Sembudoss St., Madras.
Abdul Jabel, Perambur Barracks, Madras.
Cycle Jadi Beedi Factory, Old Washermanpet, Madras.
Sait Beedi Factory, 31, Puliant-hope Rd., Perambur, Madras.
Shah-in-Shah Beedi Factory, 119 Jani Jahn Khan Road, Madras.
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Munni Lall, Bengali Tollah, Benares City.
S. Amir & Co., Zaw Buildings, Rakabgunj, Lucknow.

BELLMETALWARE MANUFACTURERS.

BENGAL.

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Beharilal Dutt, Bahirgachi Sarak, Nadia.
Bishnoopada Das, Khagra.
Chandra Mohan Singh, Khagra.
Jogendranath Paul, Khagra, Murshidabad.
Satish Chandra Sen & Bros., Khagra, Murshidabad.

CALCUTTA.

A. C. Kundu & Co., 356/3, Upper Chitpur Road, Calcutta.
Sarat Chandra Paul, 356/3, Upper Chitpur Road, Calcutta.
Sashi Bhusan Probhapada De, 62, Clive Street, Calcutta.

INDIAN STATES.

Atma Ram Daulat Ram, Phagwara, Kapurthala State.

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Indian Industrial Institute, P O Vadakangulam, Tinnevelly. (Also Brass Metalwares)

PUNJAB.

Hukam Chand Phagoo Mall, Gujranwala

Jagan Nath Dewan Chand, Gujranwala

Khairati Ram Ramsaran Das, P O Nurpur, Kangra

Sewan Mall Hari Chand, P O Jandiala Guru, Amritsar

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Bathibhoi & Co, Forbes Street, Fort, Bombay (Rubber)

Card Clothing and Belting Ltd, 78, Homji St, Elphinstone Circle, Fort, Bombay

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Khoja Alibhai Mohamed, Dhabu St, Null Bazar, Bombay 9

Kooverji Devshi & Co, Lohar St, Bombay

Minoo Mill Supply Co, 8, Hamam Street, Fort, Bombay

Turner Hoare & Co, Ltd Gateway Bldg, Apollo Bunder, Bombay

Western India Tanneries Ltd, 2A, Dharavi Rd, Dharavi, Bombay, 17

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Ahmedabad Chrome Tanning Co, Pir Mahomed Shah Road, Ahmedabad

CALCUTTA.

A N Hussunally & Co, 28, Strand Road, Calcutta

Asbestos & Belting Co, 2, Clive Ghat St Calcutta

Balmer Lawrie & Co, Ltd, 103, Clive Street, Calcutta

Bengal Belting Works, Ltd, 2/3, Clive Row, Calcutta Factory—Serampur

Birkmyre Bros, 8, Clive Row, Calcutta

Chrome Leather Co, 54, Bentinck Street, Calcutta

Diana Engineering Co, 31, Clive St, Calcutta

Don Watson & Co, 19, British Indian Street, Calcutta

General Stores Supplying Co, 137, Canning St, Calcutta

Ideal Leather Works, 90-10A, Harrison Rd, Calcutta

India Rubber Gutta-Percha & Telegraph Works Co, Ltd, 7, Old Court House St, Calcutta

J H Fenner & Co, Ltd, 10/3A Mercantile Bldgs, Calcutta

Jessop & Co, 93, Clive St, Cal.

McGavin & Co, 30, Strand Road, Calcutta

Mill Stores & Belting Co, 86, Clive Street, Calcutta

Pasricha & Co, 6, Nawab Badiuddin St, Calcutta

Subol Dutt & Sons, 39, Clive St, Calcutta

INDIAN STATES.

P Peter & Sons, Alleppey, Travancore (Coir belting)

KARACHI.

Ram Chand Jethmal, Bunder Rd, Karachi

LAHORE

Leather Belt Factory, Inside Delhi Gate, Lahore

Punjab Chrome Tannery, Grand Trunk Road, Lahore

MADRAS CITY.

Baltiboi & Co, 4-13, Broadway, Madras (Rubber)

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R Narasimham, Vinjamur
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Shantiram Pal, Betanga, Arkandi, Faridpur

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Gopal Chandra Shome Bagerhat, Bengal
Haji Sadaruddin Sarup, Kathi, Barisal, Bengal
M Hampayya, Timmanacherla
Menajuddi Bepari, Kamarkathi, Barisal
Mundasatha Veerappa, Bellary
Rajani Kanta Bakshi, Rajarhat, Rungpur
Rudraya Veeraya Hanagodinath, Byadgi M S M Ry
Sontha Sonappa & Sons, Bangalore Road, Bellary

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Huns Dewan & Co, 161-163, Duncan Road, Bombay
Narain Govind Deyji, Old Sonapur Lane, Bombay No 2
Renown Biscuit Company Ltd, Bombay

BOMBAY PRESIDENCY.

Kitaddtur Bros, Belgaum
Sathe Bros, Sadashiv Peth, Poona 2

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Bombay Biscuit Co, 99/3, Canning Street Calcutta
Britannia Biscuit Co Beerpara 1st Lane, Dum Dum Office, 5, Dalhousie Sq, Calcutta, Also Mazagaon, Bombay
Calcutta Crown Biscuit Co, 99/3, Canning Street, Calcutta
Kohinoor Biscuit Co, Tiretta Bazar, Calcutta
Lily Biscuit Co, 3, Ram Kanto Sen Lane, Ultadanga, Calcutta
Santosh Biscuit Factory, 24A, Sukea Street, Calcutta
T P. Bose & Co, 1A, Sitakanta Banerjee Lane, Calcutta

DELHI

Delhi Biscuit Co, Ltd, Subzimandi, Delhi.
Punjab Biscuit Coy Bahadur Road, Delhi

INDIAN STATES.

Imperial Biscuit Works, Secunderabad Hyderabad
Royal Biscuit Factory, Bowringpet, Kolar, Mysore

KARACHI.

Abdul Hussein Jaffarji Gandia, Marriott Road Karachi
Carr & Co Ltd McLeod Road, Karachi
Jehangir Rustomji Irani & Co, Frere St, Karachi
National Biscuit Factory, Mithadar Karachi
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LAHORE.

Pioneer Pure Products, 12, Ferozepur Road, Lahore

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New Calicut Biscuit Factory, 26, Harris Rd, Pudupet, Madras
Perumal Chetty & Sons, 5, Stringer's St, G T, Madras

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R P Pandit & Sons, Panditthan Road, Cochin
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Royal Biscuit Co., Madura.
Vishnu Biscuit Factory, Negapatam, Tanjore.

SIND.

J. B. Mangharam & Co., Sukkur, Sind.

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Kashi Hindu Biscuit Factory, Dalmandi, Benares City.
Tibbi Biscuit Factory, La Touche Road, Lucknow.

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(See also Boot Polish Manufacturers).

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Ghatalah Industrials & Research India, Bangalore.
Riverside Trading Co., 43, Garpar Rd., Calcutta.
Water Lily Chemical Works, 141/2, Baranashi Ghose Street, Calcutta.

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Vaidya Bros., Kalbadevi, Bombay.

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B. Mukherjee & Co., 162, Bowbazar Str., Calcutta.
B. N. Bysack & Co., 1/1, Ram Chand Ghosh Lane, Calcutta.
Bengal Art Union, 84/3A, Bowbazar St., Calcutta.
Bharatvarsha Halftone Works, 201, Cornwallis St., Calcutta.
C. H. Aran & Co., 235/1, Bowbazar St., Calcutta.
Calcutta Engraving Works, 21, Canning Street, Calcutta
Calcutta Photographic Stores Agency Co., 154, Dharamtala St., Calcutta.
Dass Brothers, 87, Durga Charan Mitter Street, Calcutta.
Dutt & Co., (Regd.), 107, Harrison Road, Calcutta.
King Halftone Co., 22, Wellington St., Calcutta.
N. De & Co., 33/3, Harrison Road, Calcutta.
National Halftone Co., 220, Cornwallis St., Calcutta.
P. Datta & Co., 187, Bagmari Rd., P. O., Narkeldanga, Calcutta.
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Shivram R Mande & Sons, Swami Narayan Bldg, Bunder Rd, Karachi (Also Wooden types etc)

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Khemat Khan & Co, 10, Corris Church Lane, Calcutta (Gold Printing on Cloth)
M Habibur Rahman & Bros, 101, Baitakkhana Road, Calcutta
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DELHI.

Delhi Printing Works, Chaori Bazar, Delhi

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Cotton Library, Banglabazar, Dacca
D G & M, C Ghatty, Asansol
Model Library, Bangla Bazar Dacca
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Popular Library, Patuatuly, Dacca
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School Supply Company, Patuatoli St, Dacca
Students & Co, Cooch Behar

BIHAR.

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Bhargava Book Co, Bhargava Bhawan, Jubbulpore
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Arya Book Depot, Nai Sarak, Delhi
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Organise your business with hints from "Theory & Practice of Commerce & Business Organisation." Rs 4. Industry Book Dept., Cal

Srinivasa & Sons, Big Bazaar, P O Malleswaram, Bangalore
Students Hall, Sayyaji Road, Lansdowne Bldg, Mysore
Sunder Dass & Sons, Bhabran, Bahawalpur
Sundra Iyer & Sons, Wadakanchery, Cochin State
Union Stores, Indore City.
Upadhyay & Co, Indore City

KARACHI.

Allied Stores, Bunder Road, Karachi
Educational Publishing Co, Kutcherry Road, Karachi
English Book Stall, Elphinstone St, Karachi
Federation Book Stall, 318, Elphinstone Street, Karachi.
Hossenbhoy, Karimji & Sons, Karachi
Jivan Bhaskar Office Kaezi Bazar, Karachi (Avurvedic Books)
Model Book Co, P O Box No 269, Karachi
N H Punjabi & Co, Bunder Rd, Karachi (Also Stationers)
Readers' Service, Hassanalli Effendi Road, Karachi
Rose & Co, Karachi
S J Co-operative Society, Elphinstone St, Karachi
Sind Supply Store, Bunder Road, Karachi
Standard Book Agency, 113, Grant Road, Karachi

LAHORE.

Arya Book Depot, Tapalic Gate, Lahore
Commercial Book Co, Railway Road, Lahore
D. Lodge & Co Kaba House, Gowalmandi Lahore
Lajpat Rai & Sons, Inside Lahori Gate, Lahore
Modern Scientific Institute, Gowalmandi Road, Lahore
N D Sahgal & Sons, Outside Lahori Gate, Lahore
Naran Das Sahgal & Sons, Lahore, Darwaja, Lahore
New Commercial Corporation Ltd, Mohanlall Road, Lahore
Punjab Religious Book Society, Lahore.
Punjab Sanskrit Book Depot, Said Mitha St, Lahore
Rafahi-am Book Depot, Sheranwala Gate, Lahore
Rai Saheb Munshi Gulab Singh & Sons, Lahore
Rama Krishna & Sons, Anarkali Street, Lahore
Secondhand Book Co, Junction of Railway & Brandreth Road, Lahore
Sita Ram, Commercial Book Co, Brandreth Road, Lahore
Standard Book Depot, The Mall, Lahore
Standard Bookstall, Lahore
Students' Own Agency and Law Book Agency, Lahore
Students Popular Depot, and Jaura Educational Press, University Road, Lahore
University Book Agency, Kacheri Rd, Lahore (Law Books)

MADRAS CITY.

Andhrabhumi Book Depot, Vepari P O, Madras
B G Paul & Co, 12, Francis Joseph Street, Madras
C Subbiah Chetty & Co, 62, Big St, Triplicane, Madras
Christian Literature Society For India, Post Box 501, Memorial Hall Compound, Park Town, Madras
G A Natesan & Co, 3, Sunkurama Chetty St, Madras
Ganesh & Co, 39, Thumbu Chetty St, Madras (Also Coffee)
Higginbothams Ltd, Mount Road, Madras, South Parade, Bangalore (Stockists: Industry Publications)
Indian Publishing House Ltd, Thambu Chetty St, Madras
Jagan Mohini Office, 26, Car St, Triplicane, Madras
K S Muthiah & Co, P.O. Box 89, Madras
Law Printing House, Mount Rd, Madras
M S Ramulu & Co, 59, Mannarsamy Coil St, Rayapuram, Madras Br —286, Esplanade, G T, Madras
Madras Law Book House, Mount Road, Madras (Also Medical)

Organise your business with hints from "Theory & Practice of Commerce & Business Organisation." Re 4. Industry Book Dept., Cal.

Madras News Agency, 183, Mount Road, Madras, Branch :—7, Brigade Road, Bangalore.
P. Rama & Co., 54, Pycrofts Rd., Triplicane, Madras.
P. Varadachary & Co., 8, Lingichetty St., Madras.
Pioneer Book Depot, Royapuram, Madras.
R. Venkateswar & Co., Loane Square, Madras.
Ranga Raju & Bros., "Jaganadha Baugh," Saidapet, Madras.
Rochouse & Sons, 292, The Esplanade, Madras.
S. Ganesan, Pycrofts Rd., Triplicane, Madras.
S. Murthy & Co, Thambu Chetty St., Madras.
S. Vas & Co., Newstun, P. H. Rd., Kilpauk, Madras.
Srinivasa Varadachari & Co., 190, Mount Road, Madras.
Tagore & Co., Esplanade, Madras.
Theosophical Publishing House, Adyar, Madras.
Thomson & Co., Broadway, Madras.
V. Ramaswamy Sastrulu & Sons, 292, Esplanade, Madras.
Vaman & Co., 61, Elephant Gate St., Sowcarpet, G. T., Madras.
Y. Narayan, 364, Esplanade Row, Madras.

MADRAS PRESIDENCY.

A. Krishnamurty & Sons, Main Road, Vizagapatam.
A. Purushakhma Mudaliar, Arni, N. Arcot.
A R. Sivanandan, Raja Street, Coimbatore.
Adarsha Grantha Mandali, Elamarru P. O., Kistna Dt.
Agraharapu Satyanarayana, Main Road, Vizagapatam.
Andhra Law House, Cocanada.
Ariapontry & Sons, Dupleix St., Pondicherry.
Augustin & Sons, Palluruthi Road, Cochin.
B. G. Visvanatha Iyer, Agasthya Jothishasala & Vaidyasala, P.O. Budalpur, Tanjore.
Bharati Bhandar, Aska, Ganjam.
Book Agency, Kothavalavadi, Trichinopoly, S. I.
C. S. Dikshadar & Co., Mutt St., Kumbakonam, S.I.R.
General Book Depot, Bezwada, Kistna.
Gupta Bros., Main Road, Vizagapatam. (Also Stationers).
I. Punniah & Co., Vearan ki Lock, Kistna.
K. Govindam & Co., Bezwada, Kistna.
Kuchi Narasimham Pantulu, B.A., Kothapeta, Pithapuram, E. Godavary.
Kumbagalavilas Book Depot, Kumbakonam, S. I. R.
Lakshman Prasad & Co., Pondicherry.
M. S. Sastry & Sons, P. O. Melupaka, Yellamanchili Tq., Vizag.
Maruthi Ram & Co., Bezwada, Kistna.
Pai Bros., Hampankatta, Mangalore, S. Kanara.
R. M. Veera Pillay, Negapatam, Tanjore.
S. Goodalingam Pillai, Ruthu Mandalam, Madura.
S. R. Anjaneya Book Dept., Bezwada, Kistna.
Saradha Vilas Book Depot, Negapatam, Tanjore.
Saraswathy Book Depot, Bezwada, Kistna.
Serwell Co., Commercial Road, Ootacamund, Nilgiris.
Shenoy Bros., Car Street, Mangalore, S. Kanara.
Sundar Ram & Co., Bezwada, Kistna.
Times Modern Mart, Mettu St., Salem.
V. Rama & Co., Ellore, W. Godavary.
V. S. Swaminathan, West Tower St., Madura.
Venkat Ram & Co., Bezwada, Kistna.
Vinayagam & Co., Negapatam, Tanjore.
Vyasa Kuteeram, Melupaka, Yellamanchili, Vizagapatam. (Telugu Books).

N. W. F. PROVINCE.

Dayaram Bros., Nowshera, Peshawar.

"Sketches of Indian Industries" discusses industrial situations and industrial ideals. Parts I & II Re. 1 each. Industry Book Dept., Cal.

Faqir Chand Marwah, Peshawar Cantt
Government Printing and Stationery, Peshawar
London Book Co, Peshawar
Ram Saran & Bros, Kutchari Gate, Peshawar City.
Standard Book & Stationery Coy, Peshawar

PUNJAB.

Atlas Trading Co, Karmon Deorhi, Amritsar (Code Books)
Attar Chand Kapur & Sons, Ran Bazar. Sargodha
"Attracto Office," Ludhiana, Punjab.
Barul Ketab Sulemani, Rosi, Dt Hissar
Book Depot Talef-o-Ishaat, Qadian, Gurdaspore
D R Suraj Balram Sawhney, Bazar Talawaran, Rawalpindi
English Book Depot, Wazirali Bldgs, Ferozepore Cantt
Fono Book Agency, 1 & 2, U F The Mall, Simla
Handa Bros, Sialkot City
Hindi Ratnakar Pustakalaya, No 11, Ludhiana
Imperial Stores, Kasur, Punjab Br —Baghbanpura (Lahore), Tarn Tarn and Hissar
Indian Trade Courier, Kasur, Punjab
J Ray & Sons, Edwards Road, Rawalpindi Br —Lahore and Murree
Kalseys Singh Company, 1, Kalsey Buildings, Amritsar
L Ramji Dass, Ambala City
Labh Singh & Sons, Mai Sewan, Amritsar
Likhari Book Depot, Amritsar
M Mohd Yusuf, Fatehabad, Hissar
M Muzaffar Din & Sons, Bazar-ka-Darwaza, Sialkot City
New School Supply Book Depot, Malakwal (Gujrat) Br —Lahore, Miani (Shahpur).
Punjabi Agency, Tarn Taran
Punjab Educational Stores, Bazar Dalgaram, Kasur, Punjab
Saiwickjee Printing Press, Katra Ramgarhian, Amritsar
Sanatan Dharam Library, Lyallpur City, (Punjab)
Swadeshi Bhasha Pracharak Agency, Tarn Taran, Amritsar.
Tek Chand Lakshmi Chand, Ambala City
Victoria Book Depot, Dalhousie Road, Rawalpindi

RAJPUTANA

Gargiya & Sons, Beawar, Rajputana
Popular House Ltd, Beawar, (Rajputana) (Also Stationery)

RANGOON.

A B M Press, 549, Merchant Street, Rangoon
Biswas & Co, 226, Lewis St, Rangoon
Burma Book Club Ltd, P O Box 1068, University College, Rangoon
Burma News Agency, P O. Box 313, 125 Scott Market, Rangoon (Also News Agents, Stationers etc)
C X De Souza & Co, 8 & 9, York Road, Rangoon
City Book Club, 280, Phayre St, Rangoon
Rowe & Co, Ltd, P O Box 77, Rangoon
Smart & Mookerdam, Randaria Bldg, 937, Merchant Street, Rangoon

SIND.

Bhojraj Motumal, Sukkur, Sind.
Davaldas T Khilnani, P O Bhiria, Sind
G Dewan Mal, Dhak Bazar Sehwan, Larkana, Sind
Gahimal & Co, Shroff Bazar, Sehwan, Larkana, Sind
Mandly Book Depot, Shroff Bazar, Sehwan, Larkana, Sind.
Khilan Bros., P O Tando Adam, Sind (Astrological Books).
Mukhdum Mohd Hasan Sahib Sidiki, Kazi St, Sehwan, Larkana, Sind
School Book Depot, Market Road, Sehwan, Larkana, Sind
Sidiki Book Depot, Sehwan, Larkana, Sind

"Sketches of Indian Industries" discusses industrial situations and industrial ideals. Parts I & II Re. 1 each. Industry Book Dept., Cal.

UNITED PROVINCES.

Abdul Baqi & Co., Mohallah Askarganj, Gorakhpur, U. P. (New & Second-hand Books).
Advani Bros., The Mall, Cawnpore.
Agra Book Depot., Hospital Rd., Agra.
Agrawal Bros. & Co., Generalganj, Cawnpore.
Ajodhia Prasad Bhargava, Fatehganj, Lucknow. (Also Stationers)
Ali Bros., Aminudaulah Park, Lucknow.
Arya Publishing Depot, Phulatti Bazar, Agra.
Arya Pustakalaya, 107, Sipad Bazar, Meerut.
Arya Sahitya Sadan, Pentkhera Khandanli, Agra.
Arya Samaj Mandir Library, Muttra, U. P.
Baijnath Prasad Tandon, Jalalpur, (Fyzabad), U. P.
Bal Mukund, Askunda Bazar, Muttra, U. P.
Bharat Dharma Syndicate Ltd., Station Road, Benares.
Bhardwaj & Co., Benares City
Bhargava Book Depot, Chowk, Benares City.
Chaudhury & Sons, Benares.
City Book House, Meston Road, Cawnpore.
Deopal Gupta, Bulandshahr, U.P.
Dharma Diwakar Pustakalaya, Bandhnu Sasni, Aligarh.
Dum Dumji & Co., (Regd), Hospital Road, Agra, U. P.
Eastern Publishing (India) Co., Hardwar, (U. P.).
Educational Book Depot, Katra Road, Allahabad.
Equitable Literature Home, Dulari Bhawan, 2, Lakshmi Road, Dalanwala, Dehra Dun.
Ganesh Dass & Co., Chowk, Benares.
Ganesh School Book Depot, Chowk, Fyzabad.
Ganga Pustakamala Karyalaya, 36, La Touche Road, Lucknow.
Goel's Friends Bookstall, The Mall, Cawnpore.
Haji Mohammed Said & Sons, Majidi Press, Patkapur, Cawnpore.
Haridas & Co., Ganga Bhaban, Muttra, U. P.
Indian Army Book Depot, Dayalbagh, Agra.
J. B. Mathur & Sons, Wellesleyganj, Mirzapur.
Jaina Bros., Chandni Chowk, Benares.
Jnanamandal, Kabirchawra, Benares City.
Kackar Bros., Phulatti Bazar, Agra.
Katyayani Publishing House, 47, Misser Pokhara, Benares City
L. Kidar Nath & Sons, Meerut.
Lakshmi Book Depot, 589, Yahiapur, Allahabad City.
Lakshmi Narayan Agarwal, Hospital Road, Agra
Lucknow Bookstall, Huzratganj, Lucknow.
Lucknow Commercial Agency, 25, Aminabad Park, Lucknow
Lucknow Publishing House, Lucknow.
Medical Talk Publishing & Co., Muttra
Modern Book Depot, Subzimandi, Agra.
Mool Chand & Bros., Fyzabad.
Mukundadas Gupta & Co., Pustak Bhaban, Chowk, Benares.
Muslim Book Agency, Khairnagar, Meerut City.
Mutro Lal Chandu Mal, Rambazar, Meerut.
N. C. Seth, Hospital Road, Agra. (Antiquarian Books).
Nagar School Book Depot, Jalalpur, Dt., Fyzabad.
Nand Kishore & Bros., Chowk, Benares City.
Nandan Trading Co., Mai Than, Agra.
Narayan & Co., Meston Road, Cawnpore.
North India Christian Tract and Book Society, 18, Clive Road, Allahabad.
P. Beharilal Gaur & Sons, Mainpuri.
P. C. Dwadash Shreni & Co., Aligarh, U. P.

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Mosabbas' explains the process. Industry Book Dept., Calcutta.

P D Gooba & Sons, The Mall, Cawnpore
P Mahesha Nand Sharma & Sons, Nandprayag, Garhwal
Prakash Educational Stores, Near Tahsil, Meerut City
Prayabha School Book Depot, 15, Aminabad Park Lucknow
Prem Pustakalaya Phulatti Bazar, Maithan, Agra
Provincial Book Depot, Chawk Allahabad
Ram Charanlal Agarwala, Aminabad Park Lucknow
Ram Krishna Publicity Service, Benares City
Ram Prasad & Bros Etawah
Robi & Co 9 Crosthwaite Road, Allahabad
Sampson William Co, 127, The Mall Cawnpore
S J Singh & Co General Ganj, Muttra
Sahitya-Ratna Shala, Chhatbiharilal Bajaz, Hathras
Sahig Ram & Sons, Bara Bazar, Aligarh
School Book Depot, Lala Ka Bazar, Meerut City
School Book Stores Akbarpur, Fyzabad
Udyag Pustak Bhandar, Pura, Fyzabad
Universal Book House, Allahabad
Universal Literature Co, Nazirabad, Jopling, Mart, Lucknow
Uttar Chand Kapur & Sons, Anarkali Lahore
Upper India Publishing House Ld, Literature Palace, Lucknow
Vedic Pustakalaya, Maithan, Agra
Vidya Mandir, P O Ramnagar, (Benares State)

BOOT POLISH MANUFACTURERS.

Alfa Trading & Manufacturing Co, Cawnpore
Agra Chemical & Pharmaceutical Works Agra
Arya Chemical Works, Krishnagar, Nadia
Banerjee Bros Patna
Banga Luxmi Chemical Works Ghutia Bazar Hooghly
Bengal Chemical & Pharmaceutical Works, Ltd 31, Chittaranjan Avenue Calcutta (Paduka)
Bengal Industrial Co, 21, Gopal Ch Bose Lane, Calcutta ("Bison" Brand)
Bengal Miscellany Ltd, 174, Manicktola Main Road, Calcutta (Cuckoo) (Also Blanco)
Bengal Products (1932) Ld, 27, Narikeldanga Main Road, Calcutta ("Moochi" Brand)
Benjo Manufacturing Co, 931, Rampart Row, Karachi
Calcutta Chemical Co, Ltd Panditia Rd, Ballygunge, Calcutta ("Chettah" Brand)
Chemical Association 55, Canning Street, Calcutta (Crown Shoe Cream & Polish)
East End Industrial House, 27/4, Tarak Chatterjee Lane, Cal
Everest Boot Cream Co 79, Badshahi Mandi Allahabad
Himani Works 59 Belgachia Rd, Calcutta (Mayna Brand)
Indian Chemical Works, 45, Kailash, Cawnpore
Industrial Research House, Allahabad
Industrial Works, Sikandrabad, U P. (Brand—"Fish," U S A. & "Golden Bird").
Jallo Polish Co Jallo Subsidiary Industries Co P O Box No 124, Lahore ("Lotus" Brand)
Kalianji Bhatia, 29 31, 33, Bora St Bombay
Leather Dressings Company, 23/1, Guru Prosad Chaudhuri Lane, Calcutta
Lily Chemical Works, 3, Rama Kanta Sen Lane, Calcutta
Modern Industries, Suddar Bazar, Ferozepore Cantt (Flexo & Peacock)
Norway Soap Co, Meerut City
Punjab Manufacturing Co, Sanda Road, Lahore
Riverside Trading Co, 43, Garpar Road Calcutta (Blanco).
Sethi Brothers, Hira Mandi, Ferozepore City, Pb Works — Railway Road, Kasur

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept, Calcutta.

Sharika Industrial Works (Regd.). Jammu (Tawi), N W Ry.
Sheth and Coy, Wadhwan Camp, Kathiawar
Sreenath Chemical Works Ld, 2, College Sq, Calcutta ("Crocodile" Brand)
Star Products Co., 74, Bundel Road, Calcutta (Star).
Tata Oil Mills Co, Ltd, Tomco, Bombay House, Fort, Bombay
Water Lily Chemical Works, 141-2, Baranashi Ghose Street, Calcutta (Lily) (Also Blanco)

BOOTS & SHOES MERCHANTS.

BALUCHISTAN.

Head & Footwear Co, Bruce Road, Quetta

BENGAL.

Bata Shoe Co, Ltd, Hatirkool, Konnagar, also at Nangi, Budge Budge

BOMBAY CITY

Alliance Boot House, Wassiamull Building, Grant Road, Bombay.
Mooso Bros, Patka Mansions, Bhendy Bazar, Bombay
Suratwalla J J & Sons, Sriram Mansions, Sandhurst Road, Bombay.

BOMBAY PRESIDENCY.

Shamjibhai & Gordandas, Kanpith, Surat

CALCUTTA.

Bata Shop, Tower House, Chowringhee Sqr, Calcutta
Bengal Stores Ltd, 8-A, Chowringhee Place, Calcutta. M./A. Birla Bros., Ltd.
Bhowanipur Shoe Fatcory, 164-3, Russa Road, Calcutta
D. G Punjab Tannery, E 78, College Str Market, Calcutta
Hindusthan Leather Shoe Industries, 57, Diamond Harbour Road, Kidderpore, Calcutta
Inam Shoe Store, 31, Lower Chitpore Road, Calcutta
Indian Shoe Factory, 146/3, Canning Str, Calcutta
Kalachand Mistri & Sons, 150, Lower Chitpur Road, Calcutta.
Natabar Das, 153, Upper Circular Road, Rajabagan, Calcutta.
National Tannery Co, Ltd, Pagladanga, Entally, Calcutta.
Paduka Shilpa Sadan, 100, Cornwallis Street, Calcutta
Reliable Leather Works, 140, Cornwallis Street, Calcutta.
Sadake Shoe Factory, 24, Lower Chitpur Road, Calcutta.
United Friends & Co., 1, Cornwallis St., Mechuabazar Junction, Calcutta.
Young & Co, 69, Bentinck Street, Calcutta

CENTRAL PROVINCES

Gilloo Bros, Bandupur, Damoh
Kedarnath & Co Agent "Flex" Shoes & Boot & Shoe Factory, Andherdeo, Jubbulpore

DELHI.

American Boot House, Chandni Chowk, Delhi
Baluja Boot House, Chandni Chowk, Delhi
Hibs Shoe Stores, Chandni Chowk, Delhi
Modern Boot House and Factory, Connaught Place, Delhi
Pioneer Boot House, Chandi Boot House, Chandi Chawk, Delhi,
Syed Shoe Factory, Naisarak, Delhi

INDIAN STATES.

Abdul Salem & Sons, Sayyaji Rao Road, Mysore
Bhopal Shoe Factory, Bhopal
Gomiah & Sons, Mysore Bank Bldg, Mysore
Pathavia & Co, Mattancherri, Cochin
Royal Boot Factory, Market, Sayyaji Road, Mysore

KARACHI.

Abdul Hussian Ismailji, Napier Road, Karachi (Also Saddle, Harness).
Bhagchand & Co, Bunder Road, Karachi
British Boot Mart, Elphinstone St, Karachi
Harilal Tharubhai, Elphinstone Street, Karachi.
Head & Foot Wear House, Elphinstone St, Karachi.

LAHORE.

Bhalla Shoe Co., Anarkali St, Lahore.

LEARN THE MODERN METHODS OF COTTON DYEING "Cotton Dyeing & Printing." RE. 1-8. INDUSTRY BOOK DEPT.

Lahore Boot House, The Mall, Lahore

MADRAS CITY.

Akbari & Co, Broadway, Madras
Alex Hussain & Co, 6, Stringers Street, G T, Madras
Babu Jagannath Bros, Perambur Barracks, Madras.
Karcem Shoe Mart, 314, China Bazar, Madras
M C Karim & Co, 81, Iya Mudaly St, Chintadripet, Madras

MADRAS PRESIDENCY.

Dasarpuram Leather Works, Dasarpuram, Tinnanur, R. S Chingleput
Habibson & Co, Commercial Rd, Ootacamund, Nilgiris
Meera Moideen & Co, Big Bazar Road, Palghat, Malabar

MERWARA

Boot House, Madar Gate, Ajmer
Kistoormal & Sons, Ajmer
Osman & Co, Kaisergunj, Ajmer

ORISSA.

Utkal Tannery & Jalil Bros Balu Bazar, Cuttack

PUNJAB.

Akhoon Brothers, Chaura Bazar, Ludhiana
Bharat Shop, Amritsar
Capital Boot House, Mall Road, Simla
Imperial Boot House, Mall Road, Simla
Karstha & Co, Kangra, Punjab
Sondhi Boot House, Rawalpindi

UNITED PROVINCES.

Army Boot & Equipment Factory, Cawnpore
Assam Bros, Mall, Cawnpore
Emporium Steam Boot & Shoe Factory, No 1 Oha Road, Agra
Hafiz Boot House, Guzree Bazar, Meerut City.
Halim Boot Factory, Cawnpore
Himalaya Chappal Co. Meston Road, Cawnpore
Imperial Boots Works Co, Bara Ghalippura, Agra Pro —Shamsukumar Br —Cawnpore, Agra
Lucknow Boot & Shoe Factory, 25, Nazirabad, Lucknow
Sd Md Naseeruddin Ahmed, "Summa" Nihtaur, Dt Bijnor
Meerut Shoe Factory, Khair Nagar Gate, Meerut
North West Tannery, Cawnpore
Rahat Boot Co Nazirabad, Lucknow
Ram Nair Lal & Sons, Pasarhatta, Mirzapur
Regal Footwear Co, Drummond Road, Agra
Rizvi Boot & Shoe Co, Nazirabad, Lucknow
S C Chatterjee & Co, Chatterjee Bldg, Lucknow
Shahganj Shoe Factory, 400 Raza Manbil, Agra
Wazirpura Shilpa Ashram, Wazirpura, Agra

BOXES & CANS MANUFACTURERS.

(Also Consult Cardboard Box & Tin Box Manufacturers).

Agarwal Bros & Co, 21, Sheocharanlal Road Allahabad
Belliaghata Box & Timber Co, 5, Chaulpatty Rd, Calcutta
Dharamdas Pokardas & Bros, Weavers Lane, Newnham Rd Karachi
George Commercial Co, Nadrai Gate, Kasgunj, Etah (Also Suit Case)
Indian States & Eastern Agency, Hararwalla Blg, Whittet Rd, Ballard Estate, Bombay
Jamshedji Pirojshaw Wadia Bilimora, Surat (Wooden Barrels.)
K. C. Cherian & Sons, P. B No. 59, Cochin (Packing cases).
Kohinoor Trading Co, 29, Malasali Rama Rao's Lane, Bangalore
McLeod & Co, 28, Dalhousie Sq, Cal (Tea & Shellac Cases)
Orient Ltd, 13, Balai Singhi Lane, Cal, (Home Savings Box)
Packing Goods Co, 45, Phears Lane, Calcutta
R B Laha & Sons, 23, Bechu Chatterjee St, Calcutta (Fancy leather & Velvet boxes)
Tricumdas & Co, 29/31, Bohra Bazar St, Fort, Bombay (Alarm Cash Box)
Venesta Box Factory, Kamarhati, 24-Pargs

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"Cotton Dyeing & Printing." RE. 1-8. INDUSTRY BOOK DEPT.

BRASSWARE MANUFACTURERS.

BENGAL.

Kristo Lall Dass and Satya Kinkar Dass, Bankura
Nath's Brasswares, Santipur, E. B Ry ; 65/1A, College St., Calcutta (Electric Brackets and Lampstands)
R Kerr, Bankura (Also Bell metal)

BIHAR.

Bengal United Engineering Works, Ltd, Katrasgarh, Manbhum

BOMBAY CITY.

Alcock Ashdown & Co, Ltd, Mazagaon and Carnac Bunder, Bombay
Alexandra Iron & Brass Works, Chinchpokli, Bombay
Atlas Iron & Brass Works, Delisle Road, Chinchpokli Bombay
Empress Iron & Brass Works, Connaught Road, Parel, Bombay
Pohoomull Brothers (India), Fort, Bombay (Also Jewellery & Carpet)

BOMBAY PRESIDENCY

Nanalal Kansara, Kapadwan Kaira
Pragji Nanji Desa, Near Moti Hamam, Ahmedabad (Also Crucibles)
Presidency Brass & Iron Work, Railwaypura, Ahmedabad.

CALCUTTA.

Angus Engineering Works, 3, Clive Row, Calcutta
B C Chatterjee & Co, 10, Haripal Lane, Calcutta
Britannia Building and Iron Co Ltd, Norton Bldgs, Calcutta
Chunilal Hemraj, 70, Clive Street, Calcutta
East Bengal Engineering Works, 2, Rustomjee Parsee Rd, Cal
P Das & Co, 15, Fakir Chakravarty Lane, Calcutta
Paris Collapsible Gate Co. 16/1A & 17, Beadon Street, Calcutta (Brass Fittings)
S A Hakim Fakhruddin, 70, Lower Chitpur Road, Calcutta
S C Kundu & Sons, 50, Clive Street, Calcutta
Thermic Steel Co, Ltd, C5, Clive Bldgs, 8, Clive Street, Calcutta

DELHI.

Basheshwar Nath Bishenswaroop, Chowri Bazar, Delhi
Bhagwan Dass, Jagan Nath, Chandni Chowk, Delhi
G C Sygil & Co. Chandni, Delhi
Sri Ram & Sons, Chandi Chawk, Delhi

INDIAN STATES.

Debilal Chogalal, Tripolia Bazar, Jaipur City
Rising Sun Brassware, Ajmere Gate, Jaipur City

KARACHI

Bombay Brass Factory, Bunder Road, Karachi

MADRAS CITY.

Richardson & Cruddas, 1st Line Beach, Madras

MADRAS PRESIDENCY.

Muhamud Bros, Mattancherry, Cochin
N L Venkata Krishna Paller & N R Lekshman Iyer, Big Bazar, Palghat
N S Subbarama Iyer, Big Bazar, Palghat
V R Rungiah Chettiar, Palghat

PUNJAB.

Amin Chand Bhola Nath, Tanda Road, Jullundur
Bhojraj Duli Chand, Moga Tahsil
Gangaram Thakardas, Banga
Himat Singh Jagan Nath, Panipat
Kharaiti Ram Ramsaran Das, P O Nurpur, Kangra
Mohan Singh Dari Mall, Panipat
Ram Singh Gian Singh, Gujranwala

UNITED PROVINCES.

Agency Stores, D27-1A, Deonathpura, Benares
Bhukan Saran Raja Ram, Moradabad, U P
G Karan Jee & Sons, P O Box 13, Aligarh, U P
Gupta Commercial Agency, 23-24, Amrohia Gate, Moradabad
H M Ebrahim Ali Mohammad, Hadi Shidi Sarai, Moradabad
Haji Noor Elahi Mehar Elahi, Bazar Chawk, Moradabad

POPULAR HANDBOOKS, 4 As. EACH. WRITE TO INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Jafar Ali, Mohalla Nababpur, Moradabad.
Jagannath Piarelal, Moradabad
K S Jowher & Sons, Shidi Sarai, Moradabad
Karar Husain Sadiq Hussain, Moradabad (Enamelled Brasswares)
M A Jabbar & Sons, Shidi Sarai, Moradabad,
Oriental Art Emporium, Moradabad.
Oriental Trading Co, Nagina, Bijnor
Ram Narain Shamnarain, Ry Station Road, Moradabad
Sitaram Ganga Pershad, Sati Chowtra, Benares
T L Sharma & Co, Aligarh, U P (Also Hardwares & Locks)

BRICKS & TILES MANUFACTURERS.

BENGAL

Bark & Co, English Bazar, Malda (Cement Roofing Tiles)
Howrah Builders Stores, 8, Nabin Senapati Lane, Howrah
Narain Ch Pal, Mitra Para Lane, Ariadaha (24-Pargs)

BOMBAY CITY

Bharat Flooring Tiles Co 20, Apollo Street, Fort, Bombay Branches —Ahmedabad and
C Bhogilal & Co, Hanuman Bldg, Elphinstone Circle, Fort, Bombay (Marble & Tile)
C Tribhovandas & Co, 11, Bank Street, Fort, Bombay
Elephant Glazed Tiles Factory, 144, Dharavi Road, Bombay 17
F Muraghi & Co, 12, Green St, Fort, Bombay (Marble & Tile)
Gailick & Co, Jacob's Circle, Bombay (Glazed Tiles).
K Gigabhai & Sons, 8-10, Green St, Fort, Bombay
Kerson Ramji Kalyanwala, K R K Bldg, 1st Pathun St, Bombay
Raval & Co, Bank Street, Fort, Bombay Br —Karachi, Madras and Bangalore
Swastika Flooring Tiles Co, Stronach House, Graham Road, Ballard Estate, Bombay
United Marble House 28, Ebrahim Bldg, Sindhe Ltd, Bombay

BOMBAY PRESIDENCY.

Bharat Tiles Co, Richey Road, Ahmedabad
Dhanjishaw Ratanji Medhora, Bilimora, Surat, (Glazed Tiles)
J H Madan's Factory, Dhastipura, Surat
Laxmy Flooring Tiles Factory, Proprietor, Gebilal Kalidas & Co, Kanpith Bazar, Surat
N C Palia's Factory, Dhastipura, Surat
Oghala Lalloobhai & Co, Reid Road, Ahmedabad
Pioneer Clay and Industrial Works, Khanapur, Belgaum
Sorab Dalar Tile Works, West View, Khanpur Road, Ahmedabad

CALCUTTA.

Burn & Co, 12, Mission Row, Calcutta
Carrara Marble & Terrazzo Co, Ltd, 8, Old Court House Corner, Calcutta
G E Esaw, 3, Russell Street, Calcutta
International Marble Co, 19, Radha Bazar St, Calcutta,
Paul & Co, 10, Kumartuli Street, Calcutta

CENTRAL PROVINCES.

Deviprasad Agrawal, Mine Owner, Nawapara-Rajim, Dist Raipur, C P (Marble Tiles & Slates)
Jagmohan Singh & Bros, Andherdeo, Jubbulpore

DELHI.

Baldeo Singh & Sons, Kucha Tara Chand, Darya Ganj, Delhi
Duli Chand, Sadar Bazar, Delhi
Ford and Macdonald, Sadar Bazar Delhi
Kanchan Singh Surat Singh, Bhogal, Delhi
Mulchand Pandit, Sarai Rohilla, Delhi
Kundan Lal Shungloo, Sadar Bazar, Delhi

INDIAN STATES

A M A Sivakami Tile Works, Arepallore, Cochin
Assam Tile Factory and Oil Mills, Quilon, Travancore

POPULAR HANDBOOKS, 4 As. EACH. WRITE TO INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Bangalore Fine Brick & Tile Works, Magadi Road, Bangalore City.
Campbell & Sons, 7 Bridge Rd, Bangalore (Cuddapah Slabs)
City Brick & Tile Factory, Mysore Road, Bangalore City
Gwalior Pottery, Gwalior (Mosaic Tiles)
Imperial Tile & Brick Works, Nanmanikara, Cochin
Kolar Brick Making Co, Ltd, Moripparns, Kolar
Kottayam Tile Works Nechimangalam, Kottayam, Travancore
Morning Star Tile Factory, P O Ollur, Cochin State
Muringur Tile Factory, Muringur, Cochin
Narabbu & Co, Quilon, Travancore
Quilon Tile Works Quilon, Travancore
Ram Chandra Industrials, Ollur, Cochin
Ram Krishna Tile Works, Vattatara, Cochin
S K A Asramam Tile Works, Quilon, Travancore
Sree Rama Tile Works, Quilon, Travancore
St Joseph's Tile Factory Padavaratt, P O Ollur, Cochin
Standard Tile & Clay Works Ltd, Lalbagh Rd, Bangalore (Terracotta goods)
Standard Tile Works, Quilon Travancore
Star Tileries, Mysore
Thomas Stephen & Co, Quilon Travancore
Tiles and Pottery Works, Bilimoria, Navsari, Baroda
Varther Tile Factory, Bangalore

KARACHI.

Floors Ltd, Garden East, P O Box 51, Karachi
Karachi Mosaic Marblite Works, Post Box 210, Near Scandal Point Bridge, Thole Produce Yard, Karachi
Sind Patent Cement Tiles Co, Elphinstone Street, Karachi

LAHORE.

Behari Lal Jairam Das, Brandreth Road, Lahore

MADRAS CITY.

Sree Rama Brick Works, Amjikarai, Kilpauk, Madras

MADRAS PRESIDENCY.

A Albuquerque & Sons, Bolar, Mangalore, Kanara South
A B Pinto & Sons, Mangalore, S Kanara
Alveris & Co, Bolar, Mangalore, S Kanara
Bahadur Tile Works, Jeppo, Mangalore, S Kanara
Bellary Brick & Tile Works, Bellary
C. V Nayak & Co, Dudrolli, Mangalore, S Kanara
Canara Tile Works, Bolar, Mangalore, S Kanara
Commonwealth Ceramic Factory Jeppo, Mangalore, S Kanara
Commonwealth Tile Factory, Olavakot, Malabar
Commonwealth Tile Works, Jeppo, Mangalore, S, Kanara
Commonwealth Trust Ltd, Calicut, Malabar. Factories at Olavakkot, Codacal, Feroke, Puthuvara, Jeppo, Kudroli, & Malpe
Concrete Works, Mangalore, S, Kanara (Cement Flooring Tiles)
Coronation Tile Works, Mangalore, S Kanara
Feroke Tile Works, Feroke Malabar
Hamediah Tile Works, Bolar, Mangalore, S Kanara
Highland Tile Works, Bolar, Mangalore, S Kanara
Imperial Tile Works, Bolar Mangalore, S Kanara
Indian House Pipe Co, Ltd, Wovvur, Godavari (East)
Indian Nation Tile Works, Bolar, Mangalore, S Kanara
Jeppo Tile Works, Jeppo, Mangalore, S Kanara
Katheru Blackstone Power Works, Katheru Godavari (East)
Kerala Tilery, Feroke, Malabar
M Rebello & Sons, Mangalore, S Kanara
Malabar Tile Works, Feroke, Malabar

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER, "HOME INDUSTRIES" EXPLAINS. Re. 1-8.

Mangalore Tile Co. Bolar, Mangalore, S Kanara
P. F B Albuquerque & Sons, Mangalore, S Kanara
Pioneer Tile Works, Bolar, Mangalore, Kanara South
R. B C D Andrade, Bunder, Mangalore, S Kanara
Reg & Sons, Hoige Bazar, Bolar, Mangalore, S Kanara
Shoranur Tile Works, Shoranur Malabar
Soojeerkars' Tile Works, Kudroli, Mangalore, S Kanara (Also Earthen Wares)
Sri Damodar Tile Works, Nilesh-war, Kanara
Sri Murgan Tile Company Ltd Irisampalayam, Pondicherry,
Surya Tile Works, Vergeswarapuram, Godavari (West)
Taj Tile Works, Bolar, Mangalore, S Kanara
Tanjore Tile Works, Tanjore
Union Tile Works, Kudroli, Mangalore, S Kanara

PUNJAB.

Barket Ali Brothers, Fort, Panipat. (Cement, Bricks, etc)

UNITED PROVINCES.

Badri Nath Seth & Sons, Gonghat, Mirzapur
Bengal Stone & Co, Near Rly Stn, Mirzapur
J. Frizzoni & Co, Cawnpore, (Architects & Engineers).

BRISTLES MERCHANTS.

CALCUTTA

Barlow & Co, 8, Clive Street, Calcutta
C Boroue & Co 44 Khelat Babu Lane, P O Cossipore, Calcutta
Caledonia Brush Works 10B, Nimtolla Ghat Street, Calcutta (Also Brushes)
Indian Bristles & Laid Supply Co, 31-1, Tangra Rd, Calcutta

MADRAS CITY

K I Mehta & Co, Cawnpore
Narayan & Sons Patkapur, Cawnpore
Volkart Bros Armenian Street, Madras

UNITED PROVINCES

T I Kotwal & Sons Ram Bldg, Opp Central St, Cawnpore

BRUSH MANUFACTURERS & DEALERS.

BENGAL.

Jessore Comb & Celluloid Works, Jessore Bengal (Tooth Brush)
Jessore Comb Industry Co, Jessore (Toothbrush)
Zenith Rub-Set Products, P O Gharialdanga, Rangpur

BOMBAY CITY.

Aryan Brush Co 36, Hamam St, Fort, Bombay
Indian Brush Co, Sun Mill Rd Bombay
Original Brush Works, 66, Cawasji Patel Street Fort Bombay
Wilkinson Heywood & Clark, Exchange Bldg, Sport Road, Ballard Estate, Bombay

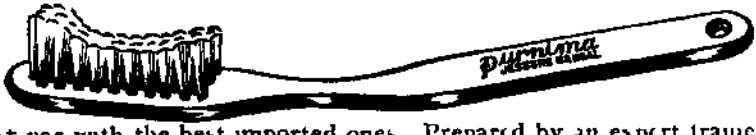
BOMBAY PRESIDENCY.

Shaha's Brush Factory, Ahmedabad

CALCUTTA

Amherst Brush Factory, 12, Amherst Street, Calcutta

BUY SWADESHI BUY THE BEST
PURNIMA TOOTH BRUSH



At par with the best imported ones Prepared by an expert trained in Germany **Fitted with sterilised Fibres Scientifically set up—no accumulation of dirt at their roots.** Available in two forms long Head (Prophylactic) and Short Head (Tek Pattern) **Durable & Cheap. (Obtainable at all Stores.) Just Try & Be Convinced.**
JESSORE COMB INDUSTRY CO., Jessore, Bengal.

B. Dutt Bros., 62, Manicktala St., Calcutta.
Bengal Brush Factory, 1, Nobin Ghosal Rd., Ballygunj, Calcutta.
Binod & Co., 77, Radha Bazar St., Calcutta.
Caledonia Brush Works, 10B, Nimtolla Ghat Street, Calcutta. (Also Bristles).
Champatola Brush Factory, 18, Amherst Street, Calcutta.
Climax Brush Works, 123/2, Amherst Street, Calcutta.
Dutt & Co., 115, Canning St., Calcutta.
Ganapati Bros., 83D, South Road Entally, Calcutta. (Also Horn & Ivory goods).
Pioneer Brush Factory, 11, Amherst Street, Calcutta.
Surendra Brush Factory, 11, Amherst Street, Calcutta.

DELHI.

Hafiz Abdul Salam & Sons, Sadar Bazar, Delhi.
Islamia Brush Factory, Sadar Bazar, Delhi.
Mohd. Ishaq Allawala, 150, Sadar Bazar, Delhi.
Nawab Hassan, Saidul Hasan, Sadar Bazar, Delhi.
Star Brush Works, Saddar Bazar, Delhi.
Usman Bros, Sadar Bazar, Delhi.

INDIAN STATES.

Baroda Brush Factory, Baroda.
Prince Yeshwantrao Brush & General Mnfg. Co., Ltd., Sarafa, Indore.

MADRAS CITY.

General Swadeshis Ltd., 368, Esplanade, Madras. (Tooth Brush).
Royal Brush Works, 33, Wall Tax Road, G. T. Madras; 84A, Clive Street, Calcutta.

RANGOON.

Balthazar & Sons, Merchant St., Rangoon.

UNITED PROVINCES.

A. A. M. Hasan & Co., Dhampur, Bijnor.
Agra Brush Factory, Jeoni Mandi, Bailanganj, Agra.
Agra Swadeshi Brush Co., Johri Bazar, Tikari Street, Agra.
Brushwares Ltd., 123/1, Halsey Rd., Cawnpore.
Empire Brush Factory, Cawnpore
Ganga & Co., Valley Bazar, Meerut City.
H. Bevis & Co., Bansmandi, Cawnpore.
Indian Brush Factory, Bansmandi, Cawnpore.
Shaw & Company, 85, Bazar Khairnagar, Meerut City.
Siddiqui Brush Factory, Sherkot, Bijnor.
Upper India Brush Factory, Agra.

BUCKET MANUFACTURERS.

Bengal Galvanising Works, 91A, Ultadanga Main Rd., Calcutta.
Binapani Galvanising Works, 137-1-2, Ultadanga Main Road, Calcutta.
Calcutta Galvanising Co., Ltd., 142-1, Radha Bazar Street, Calcutta.
Central Galvanising Co., 43, Harish Neogy Rd., Calcutta.
Marwan Galvanising Works, 161-1, Harrison Road, Calcutta.
S. S. Galvanising Co., 44, Old China Bazar St., Calcutta.
Saifee Bucket Factory, Sankli St., Byculla, Bombay.
Shyam Sundar Bucket Factory, 142-5, Ultadanga Main Road, Calcutta.
Union Gas Works, Buxi Bazar, Dacca.
Upper India Metal Works Ltd., Chheharta, Amritsar Dt.

BUILDING MATERIALS DEALERS.

BENGAL.

Calcutta Builders' Stores Ltd., 20, Shalimar Road, Howrah.

BIHAR.

Ramgulam Sah Naubat Ram, Maharajganj, Saran Dt.

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER. "Independent Careers for the Young" explains. Re. 1-8.

Sitaramsah Mathura Prasad, Maharajganj, Saran

BOMBAY CITY.

Eastern Construction Co, 788, Parsee Colony, Dadar, Bombay

Indian Hume Pipe Co, Bombay (Concrete Pipes, Culverts, Pillars, Posts, etc)

Janmahomed Haji Esmail Patel, 38, Narayan Dhurn St, Bombay (Lime & Sand)

Tandur & Shahabad Stone Co, Sandhurst Road, near Ramid Temple, Bombay 4

Tata Construction Co, Ltd Phoenix Building Ballard Estate, Bombay

CALCUTTA.

B P Sanyal & Co, 29 Strand Road Calcutta

B Ray & Co 24 8, Mansatala Lane, Kidderpore Calcutta

Banga Lakshmi Soorky Mill 3, Ramkrishna Lane, Baghbazar, Calcutta

Basak & Co 199/1/2, Upper Chitpur Road Calcutta

Bengal Stone Co, 2 Lyons Range Calcutta

Bhattacharyya & Co, 11, Clive Row, Calcutta (Stone)

Builders' Stores, 18/H/6, Canal West Road, Garpar Calcutta

Burn & Co 12, Mission Row, Calcutta (Marblite and roofing tiles, surface drains, pipes etc)

Canal Soorki Mill, 46/1, Canal East Road, Calcutta

Carrara Marble & Terrazzo Co, 8, Old Court House Corner, Calcutta

Dutt & Co, 76/1 Cornwallis St., Calcutta

F Bertelli & Co, 7, Old Court House St, Calcutta, (Marble)

F Heerhom & Co, 102/4, Radhabazar Str, Cal (Marble)

Indian Patent Stone Co, Ltd, Agts Bird & Co Chartered Bank Bldgs, Calcutta

International Trading Co, 4, Clive Ghat Street, Calcutta

Jardine Menzies & Co 2 & 3, Clive Row, Calcutta, (Reinforced concrete)

Krishna Chandra Nandy & Co 20 Darmahatta Street, Calcutta

Kutra Stone and Lime Works, 5, Kura Road, Kidderpur, Cal

P N Mehta & Co, 156, Radhabazar Str, Calcutta (Marble Tile)

Simplex Concrete Piles Ltd, 26, & 27, Ekbalpore Lane, Calcutta

Victoria Soorkey Mill, 79/1, Cornwallis Street, Calcutta

CENTRAL INDIA.

Imperial Stone Lime Mfg Co Imalia, Maihar, C I

Maihar Stone Lime Co, Ltd, Girgitta, C I

CENTRAL PROVINCES.

Moharsingh Bholanath, Katni

INDIAN STATES

Govind Nanji Patel, Dera Sheri, Gondal, Kathiawar

Marble Quarries, Makkrana, Marwar

Misra Lime Works, Satna, Rewa

Rajputana Marble Co, Makrana P O, Jodhpur State

Sandstone Quarries and Lime Stone Kilns, Jodhpur, Sojat, Khatu, Marwar

Sutna Stone & Lime Co Ltd, Sutna Rewa

KARACHI.

B S Jagatsingh & Co, Garden Lane Karachi

Karachi Mosaic Murblite Works, Karachi (Concrete Products)

LAHORE.

Dhyan Singh & Sons, Mela Ram Road Lahore Br —Simla

MADRAS CITY

G I Sampathy Chetty & Co, Madras

Lakshmi Ratans Ltd, Thambu Chetty St Madras (Marble)

P Holt & Co, Ltd, 2nd Line Beach, Madras

MADRAS PRESIDENCY.

A G Gopalakrishnan & Co, W Boulevard Road, Trichinopoly

M Rebello & Sons, Mangalore, S Kanara

PUNJAB.

Kalseys Singh Company, 1, Kalsey Buildings, Amritsar

RAJPUTANA.

Hiralal Hemraj & Sons, Nasirabad, Rajputana.

DO NOT HANKER AFTER SERVICE WHEN YOU CAN BE YOUR OWN MASTER. "Independent Careers for the Young" explains. Re. 1-8

UNITED PROVINCES.

Badri Nath Seth & Sons, Gaughat, Mirzapur (Stone)
Bharat Stone Works, Sankargarh, Allahabad
Ghatak & Co, Sonarpur, New Road, Benares City
Hulas Roi Jamna Das, Bulandshahr
J. Frizzoni & Co., Architects & Engineers, Cawnpore.
Mirzapur Stone & Trading Co., Mirzapur City
R N Sanyal, 8, Hewett Road, Lucknow
Raval & Co,, Mall, Cawnpore (Marbles & Tiles)
Tulsee & Co, Chunar

BULLION MERCHANTS.

Abdulla Alimohamed, 32, Dagina Bazar, Mumba Devi, Tamba Kanta Bombay
Baijnath Saraf, Kinari Bazar, Agra
Balkishandas Ramkishandas, Kalbadevi Road Bombay
Bhogilal Chhotalal Chokshi, Shroff Bazar Bombay
Bhogilal Chimanlal Sonawalla Opp Khara Kuva, Bombay
Binjraj Zorawarmull Batia 10 Canning Street Calcutta
Chunilal Mehta & Co, 51, Marwari Bazar, Bombay 2
Janki Saran Lakshman Saran Gupta, Chowk Bazar, Bahraich
Jethalal Sanghaji, Bullion Exchange Buildings Shaikh Memon St Bombay
Jivatlal Purtapshi, Bullion Exchange Bldgs Shaikh Memon St, Bombay
Madhavlal Benilal Chowkhamba, Benares
Maganlal Jekishandas, Hirachand's Bldg Khana Kuva Bombay
Maganlal Manekilal & Co, 149, Shaikh Memon St, Bombay
Mangaldas Kalidas Choksey, 21, Bullion Exchange Hall, Shaikh Memon Street, Bombay
Motamuri Bhagavanulu, Military Lines, Berhampore, Ganjam
Narayandas Kedarnath, 2, Bullion Ex Bldg, Shaikh Memon St. Bombay
Narrondas Manordass, P & O Banking Corporation Bldg, Esplanade Road, Bombay.
Premchand Roychand & Sons Apollo Street, Fort, Bombay
Prosad Das Boral & Bros, 28 Swallow Lane, Calcutta
Ramdayal Somani & Co, Bullion Exchange Bldg, Shaikh Memon Street, Bombay.
Vadilal Chunilal Bullion Exchange Bldg, Shaikh Memon St, Bombay
Vali Mahomed Gulam Husain Sonavala & Co, 5, Mumbadevi Zaveri Bazar Bombay 2

BUTTON MANUFACTURERS.

BENGAL.

B L Mitra & Bros, Barpara, Dacca.
Bengal Industrial Cottage, 40, Kapurianagar Road, Faridabad Dacca (M O P. & Horn Buttons).
Coronation Button Manufacturing Co, Dacca (Mother-of-Pearl Horn Buttons).
Dacca Button Manufacturing Co, Dacca.
Datta Button Factory, Shankari Bazar, Dacca
East Indian Button Co, 34, Ganaktully, Pilkhana, Dacca
Eastern Industrial Syndicate, Berhampore, Murshidabad
Eastern Small Industries, Laxmi Bazar, Dacca
Home-made Button Mnfg Co, Farashganj Rd, Dacca
Jupiter Button Mnfg Co, 71, Sutrapur, Dacca
Kohinoor Horn Button Works, 72, Sutrapura, Dacca
Moslem Button Factory, 84, Urdoo Road, Dacca
Narayan Button Works, Narinda, Dacca
Narainganj Button Making Co-operative Society, Narainganj

Make Depilatories? "PROSPECTIVE INDUSTRIES" Explains the Process. INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

Oriental Button Manufacturing Co, Kapurnagar, Dacca
Oriental Horn & Pearl Button Factory, Faridabad, Dacca
Punjab Button Factory, Waltair Road, Dacca
S Chanda Bros, & Co 25 1, Bangshi Bazar, Dacca
Victoria Button Manufacturing Co, Narinda, Dacca

BIHAR.

Bihar Industrial Button Factory, Motihari, Champaran
Tirhoot Moon Button Factory, Sahebganj P O, Mehsi, Champaran

BOMBAY CITY.

Chitalia Bros Bombay 2
Durlabhdas Mulji Zaveri, 21 Gopalwadi Bombay No 2
Gold Filled Button Manufacturing Co 158 Princess St, Bombay 2
Jafferjee Karimudin Bombay 3
R S Wadaye Bros Lohar Chawl Bombay, 2 (Aluminium Button)
Sher Ali Naniee Khadack, Bombay 3
Vardhaman & Sons 1, Pydhoni Tram Junc Bombay

BOMBAY PRESIDENCY.

D N Chandra & Co, Poona Camp

CALCUTTA

Hajee Ismail Sait, 25, Harinbari Lane, Calcutta.

DELHI.

Azib & Sons, Sadar Bazar, Delhi
Bishamber Nath & Co, Sadar Bazar, Delhi
Mohd Jamil & Sons Sadar Bazar, Delhi
Panna Lal Walaiti Ram, Sadar Bazar, Delhi

INDIAN STATES

Bharat Button Factory Hyderabad, Deccan
Button Manufacturing Works, Jaipur City
Deccan Button Factory, Hyderabad, Deccan
L A Netto Trivandrum Travancore
Mohd Bakhsh Imam Din, Malerkotla State
Ora & Co Hyderabad, Deccan

MADRAS CITY.

Samson & Co, Triplicane, Madras (Bone button)
South Indian Ivory Finish Button Works Royapuram, Madras

PUNJAB

C R Khurana Karnal Punjab (Also Novelties)
Shamdas Manoharlal, Kale Bazar, Multan City

UNITED PROVINCES

Amarnath Gupta & Co, Chunar U P (Thread Button)
Arya Button & Metal Works Sultani Serai St, Aligarh
J H Johnson Co, Aligarh (Metal Button)
Model Industries, Agra (Metal Buttons)

CALENDAR PRINTERS.

BOMBAY CITY.

Calendar Mfg Co, 62-66, Meadows Street, Fort, Bombay
Continental Calendar Mfg Co, 115, Cowasjee Patel Street, Bombay

BOMBAY PRESIDENCY.

Lordkin Printery Khadia Sir Chinubhai Rd, opp Policegate, Ahmedabad (Also Mill Labels)

'Phone 1087 B B 'Gram "Typfondry" Cal

Oriental Printing Works,

18, Brindaban Bysack Street, P.O. Hatkhola, Calcutta.

MANUFACTURERS OF ALL SORTS OF HIGH CLASS PICTORIAL, 12 SHEETED, ENGLISH AND BENGALI CALENDARS

Multi-Colour Printing Our Speciality.

CALCUTTA.

Bharat Calendar Co., 161/1, Harrison Road, Calcutta.
Calcutta Chromotype Ltd., 52/3, Bowbazar St., Calcutta.
Calcutta Printing Co., Ltd., 76, Dhurrumtola St., Calcutta.
Indian Press Ltd., 93, Dharamtallah St., Calcutta.
New Popular Press, 57, Simla Street, Calcutta.
Oriental Printing Works, 18, Brindaban Basak Street, P.O. Hatkhola, Calcutta.
Pearl Calendar Mfg. Co., 113, Harrison Road, Calcutta
Star Calendar Printers, 87, Cross Str., Cal. (Calendar Importers and Sellers).
Verat & Co., 109, Harrison Road, Calcutta. (Calendar Block Mfr.)

DELHI.

Diamond Manufacturing Co., Sadar Bazar, Delhi.

INDIAN STATES.

Germania Aero Printing Works, Jamnagar, Kathiawar.

KARACHI.

Model Calendar Manufacturing Co., Bunder Road, Karachi.
Valabdas Tirathdas, Market Rd., Karachi.

MADRAS PRESIDENCY.

Bombay Calendar Publishing Co., Bellary.
Kanara Art Calendar Works. Puttur, S. K.

UNITED PROVINCES.

Ganganarain Beharilal, P. O. Box 57, Cawnpore.

CALICO PRINTERS.

(Also see Dyers & Bleachers.)

Ahmedabad Manufacturing & Calico Printing Co., Ahmedabad.
Bengal Dyer's Association, 1, Calnal East Bye Lane, Beliaghata, Calcutta.
Bose's Calico Printing & Dyeing Works, 21, Station Road, Ballygunj, Calcutta.
Cawnpore Dyeing & Cloth Printing Co., 73, Civil Lines, Cawnpore
Germania Aero Printing Works, Jamnagar.
Germania Dyeing & Printing Works, Charni Road, Bombay.
India Prints Mnfg. Co., Sadhwara, Farrukhabad.
Indian Bleaching, Dyeing & Printing Works, 29, Rustomji Bldg., Church Gate Str., Fort, Bombay.
Kargha-Sangh, (Registered) Hardwar, U. P. (Also Cloth & Silk Merchants).
Khadi Printing & Dyeing Works, Girgaon Back Rd., Bombay 4.
Luxmi Dyeing and Printing Works, 41. Harimohan Bose Lane, Howrah.
Madura Calico Printing & Dyeing House, South Mazi Street, Madura.
Parmanand Asudaram, Bombay Bazar, Karachi.
Rajnarain Shamsundar Narain, Sadwara, Farrukhabad.
Ranganatha & Co., Chotal Bhuvan, 2nd Floor, Kalbadevi, Bombay 2.
S. B. Saxon & Co., Post Box No 3, Muttra, U. P.
Shamaldas Dyeing & Printing Works, 31, 3rd. Pinjrapole St., Bombay 4.
Tansukrai Kirorimal, 5, Chittaranjan Avenue (South), Calcutta.
Valji Bhanji Dyeing & Printing Works, 31, 3rd, Pinjrapore St.
Valji Bhanji Dyeing & Printing Works, Ahmedabad.

CANDLE MANUFACTURERS & DEALERS.

BENGAL.

S. Douche & Son, 100, Faridabad, Dacca. (Also Stationers).

BOMBAY CITY.

Bharat Candle Factory, 18, Custom House Road, Fort, Bombay.
Light House Candle Factory, Homjee Hall, Mazagaon, Bombay 10.

BOMBAY PRESIDENCY.

Hind Candle Works, Bilimora, Surat.

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

Western Indian Oil Products Co., Ltd., Gandevi Road, Bilimora.

CALCUTTA.

Bharat Lakshmi Candle Co., 24/2, Badridas Temple St., Cal.

INDIAN STATES.

Bangalore Soap & Candle Works, Nagarthapet, Bangalore City.

E. Z. George, Kottakal, Kottayam, Travancore

KARACHI.

Shyam Sundar Manufacturing Works, Kharadhar, Karachi City.

MADRAS CITY.

South India Candle Works, "Devakotta House," Edward Elliots Rd., Mylapore, Madras.

MADRAS PRESIDENCY.

Calicut Soap & Candle Co., Ltd., Calicut.

Coimbatore Candle Works, Coimbatore.

East India Candle Works, East Gate, Tanjore.

Kesari Candle Works, Gogai, Salem.

Nanjappa Candle Works, Salem.

Rajeswari Soap & Candle Works, Buckinghampet, Bezwada.

S. M's Candle Works Co., Alleppey.

Salem Candle Works, Gogai, Salem.

RANGOON.

Burma Oil Co., Rangoon.

UNITED PROVINCES.

Indian Candle Works, Kachcha Hata, Lucknow.

CANE & CANEWARE DEALERS.

BOMBAY CITY.

Kooverji Devshi & Co., Lohar Street, Bombay.

Nazarali Valibhoy Netterwala, Ful Gulli, Dharusmi St., Bhendy Bazar, Bombay 9.

Samsoodin Bakshoobhoy Netterwala & Co., 375, Katha Bazar, Bombay.

Victoria Memorial School for the Blind, Bombay.

CALCUTTA.

Borooah & Co., 15, Clive St., Cal.

Calcutta Blind School Furniture Stall, 36E, Hogg Market, Cal.

Datta Chowdhury & Co., 172, Dharamtala Street, Calcutta.

K. B. Pyne & Co., 14-1, Akroor Dutt Lane, Calcutta.

N. S. Kavarana & Co., 72-1, Clive Street, Calcutta.

Northern Stores & Agency, 4, Rani Road, Paikpara, Calcutta

DELHI.

Foorau Chand, Mithai ka Pul, Delhi.

Mool Chand, Phus ki Serai, Delhi.

INDIAN STATES.

Mysore Rattan Works, Bazar Rd., Mysore.

CANNED GOODS DEALERS.

BENGAL.

Shibhati Palli-Mangal Samity, Ld., P. O. Shibhati, 24-Parganas, Bengal. (Also Cutlery).

BIHAR & ORISSA.

Cafe De Luxe, Fraser Rd., Patna.

Rustomjee P. Patel & Sons, Buksi Bazar, Cuttack.

BOMBAY CITY.

A. Vianelli & Co., 23, Chowpathy Surface, Bombay.

Carr & Co., Ltd., Ballard Estate, Bombay.

Corneglia, Opp. Rajbai Tower, Bombay.

Esufalli Habatbhoy & Co., 19, Pakmodia Street, Bombay 9.

Framjee Nowrojee, 9, Forbes Street, Fort. Bombay.

Imperial Trading Co., 7-10, Elphinstone Circle, Fort, Bombay.

Jehangir J. M. Poonjiajee, G.P.O. Box No. 20, Bombay.

Jehangir J. Patel, 690, Parsi Colony, Dadar, Bombay 14.

Krishna Swadeshi Stores, Govindwadi, Bombay 2. (Fruit Products).

Parle Products Mfg. Co., Kalbadevi, Bombay 2.

Pears & Co., Opp. Imperial Bank, Apollo St., Bombay.

BE INDEPENDENT GIVE UP SERVICE. "MANUFACTURING INDUSTRIES" explains. Industry Book Dept., Calcutta.

Siqueira & Son, 121, Fort Street, Fort, Bombay.

BOMBAY PRESIDENCY.

Bhagvanji Narsai, Moti Bazar, Dharampur, Surat.

Central Canning Co., Karwar, Kanara. (Mango Pulp and other Fruit Products) Hd. Office: The Karvandi, Belgaum.

Indian Canning Co., Nadiad, Kaira Dt.

Nagindas Parbhubhai, Calemandy Bazar, Surat.

Nathuram N. Shah, Opp. The Market, Dharampur, Surat.

Oriental Cannery Co., Honavar, Kanara. (Fruit Products.)

Premier Fruit Products Co., Ltd., Poona. (Preserved Fruits).

Tehjaram Modi, Satara.

BURMA.

Sali Ahmed, Taungdwingyi, Burma.

CALCUTTA.

Bengal Canning & Condiments Works, Ltd., 3, Gurudas Dutt's Garden Lane, Calcutta.

Dawn's Industrial Mfg Co., Roy Yatindra N. Chudhury Street, Baranagore, Calcutta.

Farmer's Reserve Works, 25, Robert Street, Calcutta.

George O. Penn & Co., 26, Chowringhee, Calcutta. (Jam).

Lord's Ltd, 233, Lower Circular Road, Calcutta.

Mitter Sircar & Co., 6, Sib De Lane, Corporation Place, Cal.

Sreekissen Dutt & Co., 33/2, Middle Road, Entally, Calcutta.

DELHI.

Beharilal Ghasiram, Khari Baoli St., Delhi

British Indian Preserved Fruit Co., Kashmere Gate, Delhi.

Hafiz Shahabuddin, Gali Batasha, Khari Baoli, Delhi.

Indian Delicacies Manufacturing House, Egerton Road, Delhi.

INDIAN STATES.

Mohanlal Sankar Batt, Junagadh, Kathiawar.

Davee & Co., Market, Sayyaji Rd., Mysore.

KARACHI.

D. R. Dewan & Sons, Ramswami Quarter, Raghoo Str., Karachi.

J. B. Mangharam & Co.,

Manufacturers of High Class Biscuits & Confectionery,

P.O. BOX 32, SUKKUR, (SIND).

MADRAS CITY.

Arum & Co., 69, Tiruvottyyur, High Road, Madras.
Bosotto Bros., Ltd., P.O. Box 307, Madras.
Brady & Co, Broadway, Madras.
Ega Venkata Kistnama Chetty & Son, 27, Kasi Chetty St., G.T., Madras.
G. Sirurs Agency, 144, Broadway, George Town, Madras.
Harrison & Co., Broadway, Madras.
Lotus & Co., Lotus Bldgs., 1/18, 2/18 & 19, Waller's Rd., Mount Rd. P.O., Madras.
P. Mittulaul Lalah, 21, Nagapier Street, Triplicane, Madras.
Standard Supplies Co., Triplicane, Madras.
Udipi Sri Krishna Vilas, Mount Road, Madras.

MADRAS PRESIDENCY.

A V. Balchamy Nadar, Aruppukotti, Ramnad. (Jam).
English Bakery (Regd.), Trichy Road, Coimbatore.
Mangalore Home Industries, Hampankatta, Mangalore, S.K.
Pasumatri Venkata Narayana, Ellore, W. Godavary. (Also Scented Oils, Camphor Garlands).
St. Anthony's Charity Institutes, Mangalore, S. Kanara.
United Catholic Industrials Co., Vadakangulam, Tinnevelley.

SIND.

Cafe Saney, Cantonment, Hyderabad, Sind.
J. B. Mangharam & Co., Sukkur, Sind.
Sukkur Sweet Mart, Navalrai Market, Hyderabad, Sind.

UNITED PROVINCES.

Steam Cannery, Bareilly.
Sunder Singh & Sons, Aminabad, Lucknow.
Valerio & Co., Huzaratganj, Lucknow.

CANVAS MERCHANTS.

Bird & Co., Chartered Bank Bldgs, Clive St., Calcutta.
Birkmyre Bros., 8, Clive Row, Calcutta.
Bombay Canvas Merchants & Co., 70, Clive Street, Calcutta.
Bombay Trading Co., Baria Bldg., Pydhonie, Bombay. (Canvas Hose).
F. Harley & Co, 5, Delhi Serampore Road, Entally, Calcutta.
H. Bevis & Co., Cawnpore.
Haji Mahboob Buksh Ehsan Elahi, Meston Road, Cawnpore.
Keshavji Chunilal & Co., 146, Jakeria Musjid, Bombay.
Kilburn & Co., 4, Fairlie Place, Calcutta.
Krishnalal Pashupatnath, Lokenath Galli, Allahabad.
Manton and Martin, 50, Clive St., Calcutta.
N. G Ghose, 71B, Clive St., Calcutta.
Premier Canvas Co., 26/B, Clive St., Calcutta
Roberts McLean & Co., Ltd., 101, Clive St., Calcutta.
Soobashah Tarpaulins Factory, 367, Grand Trunk Road, Howrah; 30, Clive St., Calcutta.
Suresh Reshe Case Dutt Co., Room 34, College St., Market, Calcutta.
Thakar Hemraj Ramji, 285, Masjid Bunder Road, Bombay 3.
Willesden Paper & Canvas Works Ltd., 19, Convent Road, Entally, Calcutta.

CAP & HAT MAKERS.

BOMBAY CITY.

Anglo-Siam Corporation Ltd., Tamarind Lane, Bombay. (Felt).
Dinshaw B. Mistry, Jer Mahal, 532, Kalbadevi Road, Bombay.
Kamruddin Adamji & Co., 135, Bhendi Bazar, Bombay. (Felt).
Parbhoo Bhagwan Topiwala, Satya-Nivas, 177, Bazar Gate St., Fort, Bombay.
Thakker Bros., Kalbadevi Road, Bombay.

BOMBAY PRESIDENCY.

Ambaram Harkisandas, Mahidharpura, Kumbharseri, Surat.

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B. Jariwala, Buranpuri Bhagol, Surat.
C. G. Bhyade, Janjira Murud, Kolaba.
G. P. Naik, Lakshmi Cap Depot, Khade Bazar, Belgaum.
Jekisandas Harkisandas, Ruvala's Tekara, Surat.
K. Y. Kulkarni, Nasik City.
M. N. Kulkarni, Nasik City.
Malkarjunapa Metre, Manik chauk, Sholapur.
Morarji Kalyanji Dahayabhai & Co., Budhwar, Chowk, Poona 2.
Nagindas Jethabhai, Limda Chowk, Chanchava seri, Surat
National Cap-mart, Kanpith Bazar, Surat.
Prabhudas Lallubhai, Bhagatalao, Surat.
R. D. Vithaldas, Budhwar Peth, Poona 2.

CALCUTTA.

Bengal Eastern Hat Manufacturing Co., 17, Komedan Bagan Lane, Calcutta.
Calcutta Hat & Cap Manufactory, 27A, Beni Nundan Str., Bhawanipur, Calcutta.
Capital Cap Co., 139, Lower Chitpur Road, Calcutta.
Kachi & Co., 13, Mullick St., Calcutta.
Kamalalaya, College St. Market, Calcutta.
M. A. Razzaq & Sons, 7, Meher Ali Road, Calcutta.
Peninsular Hat Manufacturing Co., 11, Balu Hakak Lane, Calcutta.
Punjab Cap Depot, 164, Harrison Rd., Calcutta.
S. R. Kasiram & Co., 39, Tarachand Dutt Str., Calcutta.

CENTRAL INDIA.

Jain Bulchand Jee Chuni Lall, Manek Chowk, Rutlam.

CENTRAL PROVINCES.

Kudan Lall Baboo Lall, Katni.

DELHI.

Abdul Haq, Anwarul Haq, Chandni Chowk, Delhi.
Ansari Cap House, Sirkiwalan, Delhi.
Jain Brothers, Dariba Kalan, Delhi.
Joti Pershad Bija Mal, Bara Dariba, Delhi.
Mamtaz Cap House, Katra Barian, Delhi.
Mohata Felt Manufacturing Co., Shahdra, Delhi.
Poshaki Mall Nihal Chand, Chandni Chowk, Delhi.
S. Nabi Bux, Dariba Kalan, Delhi.

INDIAN STATES.

Baroda Cap Depot., Rajmahal Rd., Baroda.
Dayaram Kuvarji, 42 & 43, Old Poor House Road, Bangalore.
Dharamshi Ramji, Junagadh, Kathiawar.
Egyptian Cap Mart, King Koti Rd., Hyderabad.
Karsandas Vallabhdas, Junagadh, Kathiawar.
Kashmir Swadeshi Stores, Srinagar, Kashmir
Khaker Dass, Bhabran Bazar Bahawalpur.
M. Mohammad Azam & Co., Salar Jung Building, Hyderabad.
Nathalal Dayabhoy, Market, Sayyaji Road, Mysore.
Omarbhai Mahmadbhai, Opp. Sur Sagar Tank, Baroda.
Raja Lallu Ramji, Junagadh.
S. B. Amolakchand & Co., Chick pet, Bangalore City.
Syed Yusuff & Bros., 268, Big Bazar, Bangalore City.
T. Sanjivaih, Santhepet, Tumkur City, Mysore State.

KARACHI.

Bhika Govind, Bunder Road, Karachi. (Velvet Cap).
Narain Valab, Somerset Street, Karachi.

LAHORE.

French Hat Manufacturing Co., 7, Nicholson Rd., Lahore.

MADRAS CITY.

A. Thanga Durai, 17, Nyneappan St., G. T., Madras.
K. Abbu Meyan & Sons, 2, Venkata Maistry Street, Mannady, Madras.
N. K. Lallo & Co., 210, Devaraja, Mudali St., Park Town, Madras

Solve unemployment Problem? Read "Careers for Agents & Middlemen."
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

MERWARA.

Cap House, in Front of Clock Tower, Ajmer.

PUNJAB.

M. Azam & Brother, Ludhiana.

New Egerton Woollen Mills Co., Dhariwal. (Balaclava Caps).

RANGOON.

British Burma Trading Co., 183, Fraser St., Rangoon.

UNITED PROVINCES.

Bankey Lall & Sons, Chow, Cawnpore.

Bedi Chand Paran Chand, Trikonia Bazar, Agra.

British India Corporation Ltd., Cawnpore.

Khaswi Mercantile House, 2, Aminabad Park, Lucknow.

L. Perialall, Bazzaza Bazar, Meerut.

M. Fazal Ahmad Saddiqui, Bazar Chow, Moradabad.

Mooti Lal Joti Prosad, Bazzaza Bazar, Meerut City.

Tajammul Hussain Mohd. Yaqoob, Bazar Kulaf, Bareilly.

Uttam Singh & Gautam, Lala Ka Bazar, Meerut.

CARBIDE DEALERS.

Durlav Ch. Paul & Sons, 190, Old China Bazar Str., Calcutta.

Fakir Chandra De, 11, Joy Mitter St., Calcutta.

Jessop & Co., Ltd., 93, Clive St., Calcutta.

K. B. Sen & Sons, 7A, Clive Row, Calcutta.

K. C. Dey & Sons, 96, Lower Chitpur Road, Calcutta.

National Chemical Industries, 135, Canning St., Calcutta.

S. N. Paul & Bros., 186, Old China Bazar Str., Calcutta.

Shaw Wallace & Co., 4, Bankshall St., Calcutta.

CARBON BRUSH MANUFACTURERS.

Binod & Co., 77, Radha Bazar Street, Calcutta.

Calcutta Carbon Brush Mnfg. Co., 21, Parsee Church St., Calcutta.

City Commercial Agency, 53/2, Bosepara Lane, Calcutta.

Reid & Co., 5, Clive Ghat St., Calcutta. Wks:—40, Sankaritola, Calcutta.

S. Boseck & Co., 14, Nanda Mullick Lane, Calcutta.

CARBON PAPER & RIBBON MANUFACTURERS.

Bengal Industrial Co., 21, Gopal Chandra Bose Lane, North Sinthi, Cossipore P. O., Cal.

Bharat Carbon & Ribbon Mfg. Co., Lawrence Road, Karachi; 8, Esplanade Row, East, Cal.

J. Mayr, 1, Mission Row, Calcutta.

Typewriter Ribbon Works, Bankipore, Patna. (Also Duplicator Inks).

CARBONIC ACID GAS MANUFACTURERS.

Ambala Aerating Gas Co., Burn Bastion Rd., Delhi.

Andrew Yule & Co., Ltd., The Mall, Lahore.

Bengal Aerating Gas Factory, Ltd., 42, Garden Reach, Cal.

Cawnpore Aerating Gas Co., Ltd., Carbondale Works, Cawnpore.

Central Aerating Gas Co., Sadar Bazar, Ambala Cantt.

F. Ali Mahomed & Co., Harawalla Bldg., Bhoosari Mohalla, Bombay. (Also Essences).

Hajee Ismail Sait & Sons, Ltd., Russa Distillery, Tollygunge, Calcutta.

Murree Brewery Co., Ltd., Rawalpindi.

National Chemical Industries, 135, Canning St., Calcutta.

Punjab Sugar Works & Carbonic Acid Gas Co., Sujanpur, Gurdaspur, Punjab. (Also Distillery).

Sardar Carbonic Acid Gas Co., Rambagh Road, Delhi.

Shalimar Tar Distillery & Water Proof Manufacturing Co., Ltd., 6, Lyon's Range, Calcutta.

Solve unemployment Problem? Read "Careers for Agents & Middlemen."
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

CARDAMOM DEALERS.

BOMBAY PRESIDENCY.

Muregepa Hordi, Haveri, Dharwar.

N. G. Naduvenamath, Haveri, Dharwar.

R. S. Tata & Co., Haveri, Dharwar.

Sangapa Rachapa Magnur, Haveri, Dharwar.

INDIAN STATES.

Amgode Cardamom & Pepper Estate, Sakhlaspur, Hassan, Mysore.

Bargemaney Cardamom Estt., Mudigiri, Hassan, Mysore.

Rudrasiri Cardamom Estt., Kumbarahulli, Hassan, Mysore.

MADRAS PRESIDENCY.

Heggan Cardamom & Arecanut Estt., Karkal, Mangalore, S.K.

Kuppamundi Estate, Sultan's Battery, Malabar.

Pambadampara Estate, Ullamapalavam, Kodaikanal Rd., Madura.

CARDBOARD & PAPER BOX MANUFACTURERS.

Albion Cardboard Box Mfg. Co., 6/B, Kanai Seal St., Calcutta.

Appan's Paper Box Works, Kurla, Bombay.

Box & Carton Ltd., Outside Shahalmi Gate, Lahore.

Calcutta Phototype Co., 6, Chowringhee Road, Calcutta.

Calcutta Printing Co., Ltd., 76, Dhurumtolla Street, Calcutta.

Card Board Box Manufacturing Co., 38, Colootola St., Calcutta.

Cardboard Box Co., 86, Baitakkhana Road, Calcutta.

Delhi Card Board Box Factory, Delhi.

Dutt & Co., (Regd.), 107, Harrison Road, Calcutta.

Eastern Cardboard and Envelope Mnfg. Co., Mori Gate, Delhi.

Gogate Paper Box Works, Princess St., Bombay.

H. L. Sett & Sons, 15/2, Fakir Chakraverty Lane, Calcutta.

Imperial Trading Co., 7-10, Elphinstone Circle, Fort, Bombay.

Indian Card Board Industries Ld., 4, Fairlie Place, Calcutta.

International Cardboard Box Mfg. Cov., 7, Sristidhar Dutt Lane, (Hatibagan), Beadon Str. P.O., Calcutta.

James Glendye & Co., 6, Chowringhee Road, Calcutta.

K. Gupta & Co., 49, Gurpar Road, Calcutta.

L. B. Varma & Co., Juhi, Cawnpore. (Card Board Boxes).

Lakshmi Paper Box Works, Bombay 12.

M. R. Dey & Co., 29, Radhabazar Street, Calcutta.

Pioneer Cardboard Box Mfg. Co., 64, Ezra Street, Calcutta.

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Gorji Bros, Kandhari Bazar, Quetta

BOMBAY CITY.

Dhanmal Chelaram, Meadows St, Bombay

Ebrahimji Peerbhoy & Son, 141, Laxmidas Market, Sheikh Memon St, Bombay 2 (Durries)

Hajee Ebrahim & Co, Jakeria Musjid Road, Bombay.

Jassani Carpet Co, Jassani Bldgs, Hains Road, Jacob Circle, Bombay No 11

Munshi & Co, 167/A Ripon Rd, Bombay 8

Pohoomull Brothers (India) Fort, Bombay. (Also Jewellery & Brasswares)

Rahim Bakhsh & Sons, 2, Waterloo Mansions, Mayo Road Bombay (Fur and Curio)

Tarachand Parasaram, Meadows St, Bombay

BOMBAY PRESIDENCY.

Bijapur District Prison, Bijapur

CALCUTTA.

Bepin Behari Das & Sons 63F, Radhabazar Str, Cal (Also Musical Instruments).

D. D Dass & Co, 44 & 45, Radhabazar Str, Calcutta.

DELHI

Bhagwan Das & Co, Chawri Bazar, Delhi

Chhotey Lal & Sons, Baid Wara Street, Delhi

Fakir Chand Raghunath Das, Ivory Palace Near Juma Musjid, Delhi

Gopi Nath, Kashmere Gate, Delhi

INDIAN STATES.

A Lavender & Co, 2, South Parade, Bangalore

All India Agency Ld, (Inc. Mysore) Bangalore, Mysore (Also Rags & Blankets).

B K Subbiah & Son, Sourastrapet, Bangalore City

Bangalore Industrial, 135, Commercial St, Bangalore Cantt.

British India Carpet Co, Bhadohi, Benares State.

C. H Shambulingappa & Bros., 27, Mills Road, Bangalore City

C M Hadow & Co, Srinagar, Kashmir

East India Carpet Co, Ltd, Srinagar, Kashmir, Civil Lines, Amritsar

Habibullah Ahadullah, Srinagar, Kashmir (Also shawls & Embroideries)

Indian Carpet Manufacturing Co, Bhadohi, Benares State

Indo-Persia Carpet, Fateh Kadal, Srinagar, Kashmir

Johormal Balmukand, P O Bhadohi, Benares State

Kaiser-i-Hind Woollen Mills, Hebbal, Bangalore

Kotru Bros, & Co, "Govind Nivas," Srinagar, Kashmir

M Muniswamiah, Jamkhanpet, Bangalore City

Mitchell & Co, Ltd, Srinagar, Kashmir

Narasimha Iyer, S 29, Carpet St., Bangalore City

Pioneer Industries Ltd, Bangalore

S Zoraster & Co, Johri Bazar, Jaipur (Also Brassware)

Shah Ali Mian Carpet Factory, Alampur, Raichur, Hyderabad

LAHORE.

Kashmir & Kabul Stores, Hall Rd, Lahore

Madan Lall Mohan Lal Kapur, Cantonment, Lahore

Surjan Mall Kishen Chand, Rang Mahal, Lahore

MADRAS CITY.

Kishanchand Chellaram, Mount Road, Madras

Ramappa & Sons, Woods Road, Madras

Taylor & Co, Ltd, Armenian St., Madras

MADRAS PRESIDENCY.

Gupta & Co, Adoni, (S India)

Industrial Woollen Carpet Manufacturing Factory, Sanyasi Goundan Road, Salem

Utilise your Waste Products by reading "Utilisation of Common Products." INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Oriental Carpet Co., Jew Town, Cochin.
Shaik Abdul Rahman, Adoni.

N. W. F. PROVINCE.

Abdul Rashid Inayatullah Savul, Katra Masjid, Peshawar.
B. R. Mehra & Co., Peshawar.
Hari Chand Kapoor & Sons, Chawk Bazazan, Peshawar.
J. S. Narang & Sons, The Mall, Peshawar.
L. Kishen Chand Bros., Near Dak Bungalow, Cantt. Peshawar.
M. Abdulla Ghulam Hussian, Paracha Kelab, Peshawar.
Mohammed Yakub & Sons, Inside Kabuli Gate, Peshawar.
Moolchand & Sons, Kabuli Gate, Peshawar; The Mall, Simla.

PUNJAB.

Abdul Roof Jan Dost Mohd. Khan, Chaman.
Balmukand Das Rai, Chaura Bazar, Ludhiana.
Beharilal Rattanchand, Amritsar.
Davi Sahi Chambamall, Hall Bazar, Amritsar.
Ganeshi Lall & Sons. The Mall, Simla.
Gian Chand Churanji Lal, Sialkot.
Gobind Ram Sant Ram, Ambala City. (Durry).
Haji Saleh Mohammad, Gulam Mohammad Waien & Son, Hall Bazar, Amritsar.
Hariram Jogla Ram, Multan City.
Ishar Das & Sons, Katra Maha Singh, Amritsar.
Jeesukh Raj Pearey Lal, Ambala City.
Khan Bahadur Shaikh Gulam Hussain & Co., Amritsar.
L. Kundan Lall, Chuni Lall, Ambala City. (Durry).
Master & Co., The Mall, Simla.
Mehar Chand Babu Ram, Ambala City.
Muhammad Mir, The Mall, Simla.
Nandlal Hakumat Rai, Nurmahal.
Oriental Carpet Manufacturing Coy., Amritsar.
Punjab Commercial Stores, Ludhiana, Punjab.
S. S. Mela Singh & Son, Chowk Baba Atal, Amritsar.
Sewaram Thakardas, Leiah.
Thakar Das Asanand, Leiah, Punjab. (Also Khaddar).

UNITED PROVINCES.

A. Nomanie & Co., Bhadohi, Benares State.
Ahmadullah & Ahsanullah, South Gate, Mirzapur.
Girdharilal Beni Prasad, South Gate, Mirzapur.
Haji Pheku Jan Mohamad, Amilha St., Mirzapur.
Haji Shaikh Abdul Karim, South Gate, Mirzapur.
Hanman Prasad & Co., Mirzapur.
J. Tondon & Co., Mirzapur.
Jan Mohamed & Bros., Imlaha, Mirzapur.
Kailas Carpet Co., Agra.
Kalyandas Bros., Bulanala, Benares City.
Lalta Prasad Bros, Duncan Ganj, Mirzapur. (Also Exporters).
M. A. Samad & Bros., Samad Bldgs., Bhadohi, Benares State.
Madarullah Abdul Karim, South Gate, Mirzapur.
Madhoprasad Sitaram, Bhadohi, Benares State.
Mohammad Hussain & Son, Imlaha, Mirzapur.
O. Weland & Co., Agra.
Prahlad Narain Rupnarain, Maithan St., Agra City.
Rahamatulla & Bros., Mirzapur.
Rajendra Prasad & Co., Mirzapur City. (Carpet & Duree).
Ram Lall, Ram Bilas, South Gate, Mirzapur.
S. Husainy, Imalaha, Mirzapur.
S. Jian Karmat Ali & Co., Mirzapur.
S. Lutfur Rahman & Brothers, Imlaha, Mirzapur.
Shaikh Salamatullah, Mirzapur.
Sita Ram Bhargava & Co., Wellesleygunj, Mirzapur.
Upper India Manufacturing Co., 15-30-36, Civil Lines, Cawnpore.
Uttamchand Baboolal, Lohargali, Agra.

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CELLULOID GOODS MANUFACTURERS.

(See Comb & Celluloid Manufacturers).

CEMENT DEALERS & MANUFACTURERS.

BIHAR.

Bihar Lime & Cement Co., Ltd., Jhajha, Monghyr.
Shahabad Cement Co. Ltd., Shahabad.
Sone Valley Port and Cement Co. Ltd., Japla, Bihar. (Rohtas).

BOMBAY CITY.

C. P. Cement Co., Ltd., Yusuf Bldg., Esplanade Road, Fort, Bombay.
Gulabchand Nathalal & Co., 45, Mirchi Lane, Bombay 3.
Indian Cement Co. Ltd., Bombay House, Fort, Bombay.
Killick Nixon & Co., Home Street, Fort, Bombay.
Shapurji Pallonji & Co., 70, Meadows St., Fort, Bombay.

BOMBAY PRESIDENCY.

Bhailal Morarjee Rao, Near Modisanth, Bhat, Wada, Nadiad, Kaira.
Rashid Khodabad & Co., 81, Main St., Poona Camp.
Trikamlal J. Desai & Co., Bhattawadi, Ahmedabad.

CALCUTTA.

Balmer Lawrie & Co., Ltd., 103, Clive St., Calcutta.
Joy Gopal Dutt & Bros., 40, Clive Street, Calcutta.
N. S. Kavarana & Son, 72-1, Clive St., Calcutta.

CENTRAL PROVINCES.

C. P. Portland Cement Co., Kymore, Jubbulpore. (Swastika).
Katni Cement & Industrial Co., Ltd., Katni, C.P. (Castle).
T. C Bajan & Co., Katni, C.P.
United Cement Co., of India, Mehgaon, Jubbulpore.

DELHI.

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Madhavji Jeshang, Mulji Jetha Market, Bombay
Mahindraker Bros, Girgaon, Near Prathna Samaj, Bombay
Manilal Sankalchand Shah, 26 Champa Gully, Mulji Jetha Market, Bombay
Manubhai Moholal, Gauraj Gully, Mulji Jetha Market, Bombay
Mulchand Bulakhidas, New Gopal Gully, M J Market, Bombay
Nathuram Ramnarayan, Dharamraj Gali, Mulji Jetha Market, Bombay
Ramchandra Lalji & Co, Shaikh Memon St, Bombay
Savailal Maneklal, Narayan Chowk, M J Market, Bombay
Shree Swadeshi Vastra Bhandar, 35-37, Bazargate Street, Ratan House, Fort, Bombay
Vishweshar Ishwarlal, Sancha Gali Mulji Jetha Market, Bombay

BOMBAY PRESIDENCY

Ashkaran Ramlal Dugad, Bechardas Market, Ahmedabad
Bakil Bros, Richey Road, Ahmedabad
Bhagvandas Baldevdas Shah, Kapad Bazar, Sidhpur, (N Gujrat) (Cloth Hosiery, Match)
Bhukhandas Dothiawala & Desai, Galemandy Road, Surat
Chhaganlal Laxmichand, Zaveriwad Ahmedabad
Chunilal Damodardas Hanuman Khadaki Raipur Ahmedabad
Dahyabhai Hargovandas Buranpuri Bhagol Surat
Deshmukh & Co, Janjira Murud, Kolaba
Dewachand Ramchandra Mangalwarpeth Sholapur
Dindokar Bros Nasik City
Doshi Reval Gullabchand Bazar, Kapadwanj Kaira
Fookchand Namchand Outside Panchakuva Gate, Ahmedabad
Ghulam Mahmud Gulam Rasul, Maskati Market Ahmedabad
Hari Gangaram Shimpi, Agra Rd Dhulia, W Khandesh
Jamnadas Ambaram Mahidharpura Golshery Surat
Jayram Bros, Budhwar Peth Poona
Jesingbhai Bhogilal Sutaria, Maskati Market, Ahmedabad
Jivaraj Raoji Mangalwarpeth Sholapur
Jhoken Bros, Janjira Murud, Kolaba Bombay
K P Heralgi, Bijapur
Kantilal Jesingbhai, Ratanpole, Ahmedabad
Keshav T Khadikar, Agra Rd, Dhulia, W Khandesh
Keshavlal Munilal Raviwar Peth, Poona 2
Kishorlal Jekishandas, Opp the Market, Dharampur, Surat.

To get in touch with Indian Manufacturers, read "Directory of Indian Industries" price As. 4. Industry Book Dept., Shambazar, Calcutta.

Laxmichand Maganlal, Maskati Market, Ahmedabad
Madhav V Naik & Co, Shahapur, Belgaum
Maharastra Swadeshi Stores, Budhwar Peth, Poona 2
Mahindrakar Bros, Budhwarpeth, Poona 2
Mani Bhai Kishor Bhat, Karamsad, Gujrat
Manilal Bhikalbhai, Haji Patel's St, Shantinath's Pole, Ahmedabad
Manilal Chhotalal Shah, Bazar, Kapadwanj, Kaira
Manilal Kashavlal Bapuji, Ratanpole, Ahmedabad
Mathuradas Nandlal, Sarangpur, Tolia's Pole, Ahmedabad
Mohanlal Mapuji, Detroi, Viramgam Ahmedabad
Murlidhar Parashram Chumbhle Old Cloth Market, Nasik
Poona Cloth Stores, Budhwar Peth, Poona 2
R P Desai & Co, Bijapur
Radhakishan Nathmalji, Madhavpura, Ahmedabad
Raghawji Natha Gandhi, Mangalwarpeth, Sholapur
Rajmal Ramchandra Rathi, Mangalwarpeth, Sholapur
Ramsookha Chandak, Mangalwarpeth, Sholapur
Ratan Chand Jethmal, Maskati Market, Ahmedabad
Sahebram Bhawaniram Hande Mangalwarpeth, Sholapur
Seth Gagalbhai Hathibhai, Ravivar Peth, Poona 2
Seth Hirachand Memchand, Mangalwarpeth, Sholapur
Shankar Hari Navale, Budhwar Peth, Poona 2
Shanker Bhai Lakha Bhai Karamsad, Gujrat
Surajmal Sankal Chand Parsi Chal, Ahmedabad
Uderam Vanaji, Buranpuri Bhagol, Surat
Venayak Dighe, Janjira Murud Kolaba, Bombay
Vithaldas Goda Badasha Pole Rd, Nadiad, Kaira

BURMA.

Charan Das Karinchand, Marwari Rd, Mandalay, Burma
Hajee Ahmed Haji Hamedbhai, Municipal Godown, Mandalay
Hajee Ismail Bros, No 40-41, Municipal Godown, Mandalay
O Ramemni & K Kalan Bros, China Bazar, Bawdwin, N S S
U Po Hmi, Bazar, Pyawbwe, U Burma

CALCUTTA.

Adityala Vallabhadas & Co, Nurmull Lohia Lane, Pochangalli Calcutta
Andrew Yule & Co, Ltd 8, Clive Row, Calcutta
Bandhab Bastralaya, 162 Bow Bazar St, Calcutta
Basak Brothers & Co, 32, Sarcar Lane, Kansaripara, Calcutta (Also silk saries)
Bengal Stores Ltd., 8-A, Chowringhee Place, Calcutta. M./A Birla Bros Ltd.
Calcutta Cloth Stores, 67/4, Strand Rd, Calcutta
Calcutta Friends Society, Ashutosh Bldg, College Sq, Calcutta
Chamanlal Mangaldas & Co, 31 Armenian Street Calcutta
Chandra Kumar Baikuntha Nath Guin & Co., College Street Market, Calcutta
Chaturbhuj Gordhandas & Co, 23, Pollock Street, Calcutta 161, and 162 Laxmi Bazar, Cloth Market, Delhi
E M Ahmedally & Co, 15/1, Radhabazar Str, Calcutta
East Bengal Society, Ashutosh Bldg, 87/2, College St Calcutta (Also Drapers)
F W Heilgers & Co, Chartered Bank Bldgs, Calcutta
Girdharilal Luxminarayan, 7/12, Noormul Lohia Lane, Calcutta
Gladstone Wylie & Co, 5, Council House Street, Calcutta
Grahams Trading Co, (India) Ltd, (Incorporated in Great Britain), 6, Lyons Range, Calcutta
Haralalka & Co, 52/1/1, College St, Calcutta
Hazarimal Hiralal, 148, Cotton St, Calcutta
J S Mahomedally, 109, Radhabazar Str, Calcutta

To get in touch with Indian Manufacturers, read "Directory of Indian Industries" price As. 4. Industry Book Dept., Shambazar, Calcutta.

James Finlay & Co., Ld., 1, Clive Street, Calcutta.
Jeetram Nath Balai Chand Nath, 95, Manohar Das St., Calcutta.
Jeewanjee Shaikh Mohamadally, 115, 116, Radhabazar Str., Calcutta.
Jeewanram Gangaram & Co., 113, Manohardas Chowk, Calcutta.
Jhajhoria Dhandhania, 194-98, Cross Street, Calcutta.
Kamalalaya, College Street Market, Calcutta.
Kamroodin Hasanjee, 85, Radhabazar Str., Calcutta.
Katyayani Stores, College Street Market, Calcutta.
Luxminarain Ramkumar, 43 & 44, Cotton St., Calcutta.
M. F. Tayebally & Co., 129, Radhabazar Str., Calcutta.
Mafatlal Gagalbhai, 193, Harrison Road, Calcutta.
Mahomedally Goolamally & Co., 108, Radhabazar Str., Calcutta.
Marwari Stores Ltd., 160, Harrison Road, Calcutta.
Motilal Kanayalal, 140/B, Cross Street, Calcutta.
Pannalal Sagarmall, 112, Cross St., Calcutta.
Radhaballav Paul, 27, Sikdarpara Street, Burrabazar, Calcutta. (Dacca & Desi Cloth).
Ralli Bros., 16, Hare Street, Cal.
Ram Ch. Dass & Amulya Ch. Das, 114/1, Cornwallis Str., Cal.
Ramjasrai Arjundas, 3, Behraputty, Calcutta.
S. C. Rockhit & Co., 58, Radhabazar Str., Calcutta.
Salehbhoy Ebrahim & Co., 25/1, Radhabazar Str., Calcutta.
S. N. Coondoo & Co., 34 & 35, Radhabazar Str., Calcutta.
Sundermal Parasram, 6, Noormal Lohia Lane, Calcutta.
Taraknath Sashibhusan Kalipada Haldar, 46, Cross Str., Barabazar, Calcutta.

CENTRAL PROVINCES.

Anant Pandurang, Mahal, Nagpur City.
Babulal Gulzarilal, Katni, Jubbulpore.
Berar Trading Co., Akola, Berar.
Bhatia Murarji & Sons, Jubbulpore.
Brindabad Vallabhdas, Katni, Jubbulpore.
Dalchand Dharamchand, Saugor, C. P.
Hastimal Jamnalal, Dhamtari, Raipur, C. P.
Jamadhar Potdar, Bilaspur, C. P. (Agencies at Akola, Raipur, C. P.).
Kallo Ram Puran Chand, Katni, Jubbulpore.
Karnidan Lakhmichand, Gondia, C. P.
Kedar Mal Sanwal Ram, Katni, Jubbulpore.
Laxminarayan Jaisingbhai, Chotta Bazar, Ellichpur Camp, Amraoti, M. Rao & C., Bandubpur, Damoh, C.P.
Multanchand Hirchand, Raipur, C. P.
Naganna Amanna, Bilaspur, C. P.
Pratapchand Chhogmal, Pulgaon, C. P.
Ramacharan & Sons, Bandubpur, Damoh, C. P.
Ramanlal Shankerlal, Sadar Bazar, Raipur, C. P.
Ramnath Kisanlal, Gondia, C. P.
Ratanchand Chhaganmal, Amraoti, C. P.
Savai Singh J. Kanhya Lal, Katni, Jubbulpore.
Seth Jainathji, Hinganghat, Wardha, C. P.
Sheo Dularey Bros., Hinganghat, Wardha, C. P.
Shri Gopal Radhakison, Lordgunj, Jubbulpur, C. P.
Wasudeolal Jagdeolal, Bilaspur, C. P

DELHI.

B. M. Ahuya & Co., Chandni Chowk, Mohan Katra, Delhi
Baijnath Tilokchand, 201-202, Cloth Market, Delhi.
Bhagat Jasrat Mal Pahlad Dass, Chandni Chowk, Delhi.
Damodar Hari Dass & Co., 117-18, Mahbir Bazar, Cloth Market, Delhi.
Delhi Cloth & General Mills Co., Ltd., Bara Hindu Road, Delhi.

Poultry Farming: A handbook on Poultry Farming and Duck Breeding. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

Friends United, 23, Lady Hardinge Road, Delhi
Jha Jhorni Dhandhania & Co. Cloth Market, Delhi
Kansi Nath Chhote Lal, Chandi Chowk, Delhi.
Lekhraj Bisamber Dyal, Cloth Market, Delhi
Mohan Bros, Ltd, Connaught Place and Clock Tower, Delhi
Morarjee Goculdass Spg & Wvg Co, Ltd, 2068, Laxmi Bazar, Cloth Market, Delhi
Pandit Brothers, Chandni Chowk Delhi
Ragho Mall and Sons, Fort Road, Delhi
Verma & Kapoor, Chandni Chowk, Delhi (Madura Saries)

INDIAN STATES.

A Hariappa Kadur, Mysore
Abdul Khadir Ismail Sait, Sinarampet, Mysore
Ahmed Abdul Sakur Sait & Bros, Chalai Trivandrum
B Manjiah & Chamiah, Nagarthapet Bangalore City
Bali & Bons, Chowk Amirakadal, Srinagar, Kashmir
Bhagat Pushkar Das M Lall, Machi, Bahawalpur
C V Hal Rao & Sons, Big Bazar, Bangalore City
Chandu Lall Jasingh Bhoy, Ujjain, Gwalior
Chaturbhuj Kanji, Morvi, Kathiawar
Chhoteylal Nemichand, Hawamahal Ka Khanda, Jaipur City
Dada Kassam, Mattancherry, Cochin.
Dalpatram Raichand, Mahmed Vadi, Baroda
Devram Ramji & Co, P O Khedoi, Anjar, Cutch
G S Muniaparao, Chickpeth, Bangalore
Ganeshlal Mahadev, Jaipur
Govind Ram Shew Narain, M T Market, Gopal Chowk, Indore
H B Laxmana Rao & Sons, Kadur, Mysore
Hajari Mal Meghraj Co, Kadur, Mysore.
Hajee Ebrahim Kassam Sait, Mattancherry, Cochin
Hajee Habib Hassham, Bantva, Kathiawar.
Hardikar Bros, Ujjain, Gwalior
Issak Arab & Co, P O Khedoi, Anjar, Cutch
Jagannath Pershad, Ganga Mandar, Bharatpur State
K M Ganoji Rao & Bros, Kadur, Mysore
K M Narasinga Rao & Sons, Kadur, Mysore
K Narayana Shetty & Sons, Chickmagalore, Mysore
K Ramaswamy Gupta, Big Bazar, P O Maleswaram, Bangalore
Khusal Rugnathji, Junagadh, Kathiawar
Kokudi Nadar, Martandam P O, S Travancore
M Munivenkatappa, Big Bazar, Bangalore City
M. Rama Menon, Ottupara, Wadakanchery P O, Cochin State
M S Siddaramappa & Bros, Malligevahalli, P O Belgutti, Shimoga, Mysore
Mangal Ram, Ganga Mandar, Bharatpur State
Meachery Chakkor & Sons, Ollur, Cochin State
Mohan Lal, Ganga Mandar, Bharatpur State
Morvi Cloth Importing Co, Morvi, Kathiawar
N Durgoji Rao & Sons, Kadur, Mysore
N Mallappa & Bros, Kadur, Mysore
Narayan Lall, Ganga Mandar, Bharatpur State
Navasivam Pillay, Thakakudey, P O Thittuvilal, S Travancore
Nellikal Ittiyavira, P O Muvatupuzha, N Travancore.
Padinjarel Markose, P O Kothattukulam, N Travancore
Patel Rudrappa, Surahonn, P O, Nyamti, Shimoga, Mysore
R B Seth Tikamchand Bhagchand, Madanganj, Kishangarh
R Durgoji Khandoji & Sons, Kadur, Mysore.
R J & Sons, Sarafa Road, Lashkar, Gwalior,

Poultry Farming: A handbook on Poultry Farming and Duck Breeding Price As. 4. INDUSTRY BOOK DEPT, Shambazar, Calcutta

R. Narasimha Char & Son, Lakshmivilas Road, Mysore.
Sadhooram, Near Juma Masjid, Bharatpur State
Shukoor Sait & Bros, Mysore
Tallam Subraya Setty & Pobbati Krishniah Setty, Nagarthapet, Bangalore
Vedanayagam Pallady, P O Mulagumoodu, S Travancore
Vrajlal Trikamdas, Junagadh, Kathiawar

KARACHI

Essardas & Sons, Elphinstone St, Karachi
Hariram & Co New Cloth Market, Bunder Road, Karachi
Karachi Cut Piece Mart, Bunder Road, Karachi
Khaldas Issardas & Co McLeod Road, P O Box 266 Karachi
Nagarmull Poddar, Gobardhan Market, Bunder Road, Karachi
Ratanchand Fatehchand & Co, Bunder Road, Karachi
Rochaldas Gidoomal & Co Bunder Road Karachi
Shivrattan Mohatta Govardhandas Market Karachi
Steniers Ltd McLeod Road, Karachi
Velejee Noorbhoy and Sons, Somerset Street Karachi

LAHORE

Sohan Lal & Sons Luxmi Cloth Market, Lahore

MADRAS CITY

A N Govinda Swamy Chettiar, West Chittrai St, Madras
G Sirur Agency, 144, Broadway, G T, Madras
Gocooldas Jamnadas & Co, 229, China Bazar Rd, Madras
Hajee Hoosen Hajee Gani, Devraj Mudali Street, Madras
Hajee Karim Hajee Ebrahim Devraj Mudali Street, Madras
Jivraj Topan, 14, Laxmidas Street, Madras
Laxmidas Dwarkadas, 436 Sowcarpet, Madras
T R N Swamy, 2-74, Godown St, Madras
Tetley & Whitley, 17, Armenian St, Madras

MADRAS PRESIDENCY.

A P I Chandrasekhara Mudaliar, Hodgsonpet, Conjeeveram (Also silk)
A Ramappa Bangera, Mission St, Mangalore, S Kanara
A Tiruvenkata Mudaly, Arni, N Arcot
A V K Arunaigiri Nadar & Sons, Great Cotton Road, Tuticorin
Anglo French Textile & Co, Ltd, Pondicherry
C Krishna Rao Big Conjeeveram (Also silk)
Cochin Weaving Co, Palace Road, Cochin
Coimbatore Weaving Syndicate, Jail Rd, Coimbatore
Commission & General Agency, Big Bazar Street Coimbatore (Also agencies at Bangalore, Shimoga Hubli)
Gonesh Srinivas Pai, Car Street, Mangalore, S Kanara
Grandhi Ramamurthy & Sons Ellore, W Godavary
Hajee Mosha Sait & Bros, Evening Bazar, Madura
Handloom Weaving Co, New Rd, Cochin
Hansraj Manilal & Co, Bezwada, Kistna
Indian Cloth Stores 9, Sundries Market, Guntur
Jamal Noor Mohamed, Main Rd, Vizagapatam
K R R & N S Rama Iver, Big Bazar, Palghat, Malabar
K S Muthia & Co, Evening Bazar, Madura
Kanji Shivji Kamp Bazar, Cannanore
K S Nannusamy Bhagavather & Sons, 114, South Masi St, Madura
Konakalla Venkateswararao, Ellore, W Godavary
Kundem Mahalakshmi & Sons, Mori, Razole, E Godavary
M Viswanadham, Chirala, Guntur
Madura House, Mahal Road, Madura, S India
Mulchand Tilok Chand, Bezwada, Kistna

India's Food Problem: A Popular handbook series. Price As 4.
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

N R Panakalu & Co, Chirala, Guntur
N R Parameswara Iyer, Thekkan Cloth Merchant, Big Bazar St, Palghat, Malabar
N S Pathu Iyer & Sons, Big Bazar, Palghat Malabar
N Sreeramamurtty Main Road, Vizagapatam
N V M Pachayappa Mudaliar, Hodgsonpet Conjeeveram
Nagarkar & Sons, Hampankatta, Mangalore, S Kanara
O G Subramanya Iyer, Tirukkatupalli, Tanjore
P K A S Saib Routher, Palghat, Malabar
P S Narasinga Rao & Sons Goribidnur M S M Ry
Pathy & Maney, Gudiyattam, (S India)
Pichika Mallayya & Sons, Mori Rozole E Godavary
R Gopala Krishna Ram, 1st Agraharam Salem
Ramaswamy Chetti & Sons, Jalakantapuram Salem
S J Ramiah & Co Chirala Guntur
S S Krishnasah & Sons, Conjeeveram (Also silk)
S S N Lakshmanan Chettiar & Co, 115 Municipal Road, Madura
Sankalchand Chunilal, Bezwada
S V Chockalingam, Aruppukottai Ramnad
Salem Banian Co, Shevapet, Salem (Cotton & Silk Sarees)
Scientific Dye Works, Rangmahal, Mangalore, S Kanara
Sesha & Sons, Vearanki Lock, Kistna
Shah Thaker & Co, East Perumal Maistry Street, Madura
Sree Sitarama Vastralayam, P O, Nuvapada Via Ichapur, Ganjam, B N Ry
Subbarama Iyer & Bros, Big Bazar, Palghat Malabar
Subbarayudu & Sons, Vutukuri, Chirala, Guntur
T Natesa Chetty, Arni, N Arcot
V G Seshachala Chettiar, Arni, N Arcot
V Krishnappa Chettiar, L Conjeeveram (Also silk)
V S K Soundappa Chetty & Bros, Jalakantapuram, Salem
Vankayala Nookaraju & Co, Main Road, Vizagapatam
Vishnu Weaving Works, P. O Chovva, Malabar

MERWARA.

Dongarsidas & Sons, Nasirabad, Ajmer
Jagannath & Sons, Nasirabad, Ajmer
Shankerlal Rajmal, Phrani Mandir, Ajmer

ORISSA.

A Madava Rao, Mandasa, Ganjam
Devidutt Mangilal, Chandni Chowk, Cuttack
Ganeshnarain Gordhandas, Motigranj Balasore
Sukur Khan & Sons, Aska, Ganjam

PUNJAB

Ahmed Jan Abdul Aziz, Ludhiana
B Harcharan Dass, Ambala City
Basudev Munnalal, Mall Rd, Simla
Beliram Beparilal, Krishna Cloth Market, Amritsar
Chamba Mall Paras Ram, Solan, Simla
Chiman Lal Dureja, Chowk Bazar Multan City
Diwan Chand Bahri & Sons, Rawalpindi
Dwarkadas Wadhwa & Bros, Kalaruandi, Multan City
Gokalchand Savalram, Katra Ahluwala, Amritsar
Hazarimal Shivan Dittamal, Bazar, Jhugian Kasur, Punjab
Hem Chand, Simla
India Importing Co, (Regd), Katra Bhai, Amritsar
Ishwar Dass Shri Gopal Santram, Katra Ahluwalia, Amritsar
Jugalkishore Jaichand, Sadar Bazar, Rawalpindi
Khwaja National Factory, Ludhiana
L Bhola Ram, Kangra, Punjab
L Durga Dass Malwan, Kangra
L Kunjlal Bhagatram, Fatehabad, Hissar
L Shadi Ram & Bros, Karkhana Bazar, Lyallpur

India's Food Problem: A Popular handbook series. Price As. 4
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA

L. Shadiram Kishanlall, Fatehabad, Hissar.
Lala Lacchmisahai Bhatia, Katra Ahluwalia, Amritsar.
Makhan Singh Labh Singh, Railway St., Lyallpur.
Mercantile House, Cloth Market, Amritsar.
Rala Ratna & Sons, Lyallpur.
Ramadin Gopaldass, Kalka, Ambala. (Also Silk).
Ramnarayan Kishandayal, Cloth Market, Amritsar.
S. M. Devi Dass Gorowara, Chowk Jhumra, Lyallpur.
Sheo Prasad Jain, Ambala City.
Sohanlal Mohanlal Dhingera, Main Bazar, Wazirabad.
Victory Works, Govt. Regtd., (Estd. 1920), Ludhiana.

RANGOON.

Friends Union, Fraser Street, Rangoon.
P. K. Desai & Co., 121, Mogul St., Rangoon.

SIND.

Dewoomal & Bros., Rustom P.O., Shikarpur, Sind.
Fateh Mohd., Din Mohd. Dhak Bazar, Sehwan, Larkana, Sind.
Hotchand Chuharmal, Advani Lane, Hyderabad, Sind.
Kishinchand Amarsingh, Shahi Bazar, Hyderabad, Sind.
Menghraj Shivandas, Lalkachery Lane, Larkana, Sind.
Seth Gundo Mal & Sons, Dhak Bazar, Sehwan, Larkana, Sind.
Valiram Pahumal, Sukkur, Sind.
Wadhooram, Pabahajrai & Bros., Rustom P.O., Shikarpur, Sind.

UNITED PROVINCES.

Allimohmed Gani, Meston Road, Cawnpore.
B. Mohendra Nath, Askunda, Bazar, Muttra.
Baburam & Co., Old Generalgunj, Cawnpore.
Badridas Bankey Lal, Johodi Bazar, Agra.
Badri Das Bithal Das, Bishram Ghat, Muttra.
Bankey Behari Kunj Behary, Damodar Bhawan, Generalgunj, Cawnpore.
Baij Nath Benipershad, Agra.
Bhagwan Das, Bishram Ghat, Muttra.
Bhagwati Prasad & Bros., Parsarhatta, Mirzapur.
Bithal Das Bhagwati Pd., General Gunj, Cawnpore.
Dada Ebrahim, Kinari Bazar, Agra.
Devi Das Khettry, Chhatta Bazar, Muttra.
Dukhi Ram Mahadeo Pd., Chunar.
G. S. Varshney & Co., Near Old Kotowali, Bazaza, Hathras city.
Gopinath Changamull, Cawnpore.
Gorakhnath & Co., Wellesley Ganj, Mirzapur.
Govind Das Dwarka Dass, 76, Bulanala, Benares.
Hazarilal Ganeshilal, Bailanganj, Agra.
Jagannath Singh, Balram Singh, Ahraura, (Mirzapur).
Jawala Prasad Radha Krishna, Kahoo Kothi, Cawnpore.
Karim Abdulla, Meston Road, Cawnpore.
Kalyani Silk Agency, 158-A, Misser Pokhra, Benares.
Kundanlal Mehar Chand, Bara Bazar, Muzaffarnagar.
Kunjamul Banwarilal, Rawatpura, Agra.
L. Kidar Nath, Ganti Pd., Bazaza Bazar, Meerut.
L. Ram Dass Balmukand, Bazaza Bazar, Meerut.
L. Subbha Ram, Etah, U.P.
Lala Gopi Nath Agarwala, General Ganj, Cawnpore.
Mangal Prosad & Sons, Hazratganj, Lucknow.
Mithan Lal Son, Naini Tal.
Mohan & Co., Dasaswamedh Rd., Benares City.
Mohini Mohan Kanjilal, Biswanath Lane, Benares.
Nand Ram & Sons, Sudder Bazar, Meerut Cant.
Radhey Lal Damoder Das, Bishram Ghat, Muttra.
Rajaram Chhanculal, Jalalpur, Fyzabad, U. P. (Gamcha).
Rajendra Prasad Kapoor Chand, General Gunj, Cawnpore.
Rameshwardas Dwarkaprasad, Kahoo Kothi, Cawnpore.

The Sphere of Tea: An exposition of the cultivation, Manufacture and Trade of Tea in India. Rs. 3. Industry Book Dept., Calcutta.

Ramkumar Rameshwardas, Kahukothi, Cawnpore
Ram Lall & Bros, Mallital, Naimital
Ram Lall Kishen Lall, General Ganj, Cawnpore
Ramnarayan Kishandayal Kahooki Kothi, Cawnpore, U P (Also at Jubbulpur, Amritsar)
Shyamlal Baikunth Nath, Seoka Bazar, Agra
Singh Debsingh Bist, P O Pithorugarh, Almora
Swadeshi Textile Agency, Seoka-Bazar, Agra
Swarup Brothers, Parade, Cawnpore
Tula Ram Pancham Lall Gandhi Road Jhansi City
Zafar & Co, Gorakhpur

COACH BUILDERS.

BIHAR.

Patna Coach Works, Bankipur, Patna

BOMBAY CITY.

Balonjee Momanjee, Dhobi Talao, Bombay

CALCUTTA

Allen Berry Co, 24, Park Street, Calcutta (Motor Body)
Canton Carpentry Works, 14, Tangra Road, Entally, Calcutta (Car & Bus Body)
Cook & Co, 9, Store Rd, Ballygunge, Calcutta
Eastern Motor & Coach Works, 10-5 Nebutala Row, Bowbazar, Calcutta
Great Indian Motor Works Ltd, 12, Govt Place E, Calcutta (Motor Body)
Hing's Carpentry Works, 36, Middle Rd, Entally, Calcutta
Indian Standard Wagon Co Ltd, Hongkong Bank Building, Calcutta

DELHI

Barker and Hooper Ltd, Kashmere Gate, Delhi

KARACHI.

A M Sodawaterwalla, Napier Road, Karachi
Abdool Hussain Moosaji & Sons, Garden Road, Karachi
Cheena Umersi, Bunder Road, Karachi
Moosaji & Co, Frere St, Karachi

LAHORE.

M Ahmad Din, Outside Taxali Gate, Lahore. (Hood Sticks).

MADRAS CITY.

Oakes & Co, Ltd, 202, Mount Rd, Madras
Rajagopal Motor Works, General Patter's Road, Madras
Simpson & Co, Ltd, 34 & 201, Mount Road, Madras

MADRAS PRESIDENCY.

United Motor (Coimbatore) Ltd, Avanashi Road, Coimbatore

PUNJAB.

Punjab Motor & Carriage Works, Staff Road, Ambala Cantt

UNITED PROVINCES

Pioneer Electric Motor & Coach Factory, Cawnpore

COAL MERCHANTS.

BALUCHISTAN.

Siri Chand Kapoor & Sons, Babu Mahalla, Quetta

BENGAL.

Central Coal Coy, Ramganj
L K Mukherjee & Co, Bangapara, Burdwan

BIHAR.

B Asha Shaw, Barh, Patna
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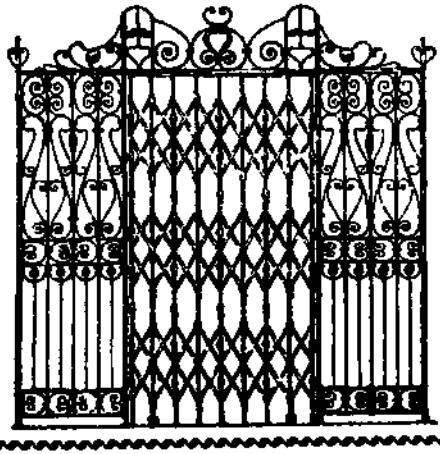

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BOMBAY PRESIDENCY

Chitrakala Works, 37, Poona City

CALCUTTA.

Abdullah & Sons, 37, Moti Sil Street, Calcutta (Name Plate).

B B Benegal, 183, Dharmatalla St, Calcutta (Artist)

Bengal Autotype Co, 213, Cornwallis Street, Calcutta

Bharat Phototype Studio, 72 1, College St, Calcutta

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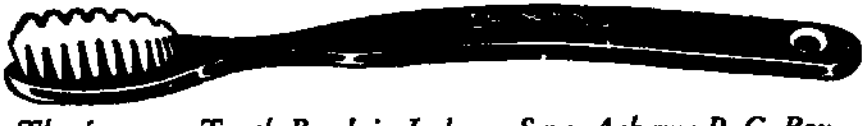

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Photographic Stores & Agency, 154, Dharamtala St, Calcutta
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Ray's Industries, 14/1, Old China Bazar Str, Cal (Brass Embossed Name Plates)
S L Boothroyd, 52/3, Bowbazar St, Calcutta (Also Litho)
Various Sign Service, 12A, Ram Narain Bhattacharjee Lane, Calcutta (Enamel Advt Plates)

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Punjabi Press Sadar Bazar, Delhi

INDIAN STATES

G N Bhanwarlal & Sons, Jaipur
Haji Doola Bros, Jaipur
J R Lalwani, Near Barracks, Residency, Indore (Aluminium Name Plates)

KARACHI.

Commercial Art Studio, Marriot Road, Karachi

LAHORE.

H L Suri, Kucha Bahian, Inside Bhatigate, Lahore

MADRAS CITY.

Addison & Co, Ltd, Mound Rd, S E, Madras (Die Sinkers & Enamellers)

MADRAS PRESIDENCY

A Sudarsanam, Chicacole, Ganjam

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Jang Bahadur, Chhatta Bazar, Muttra
L Balwant Singh, Chiam Lal, Anaj Mandi, Meerut (Artist)
Northern India Seals Mfg Co, Nadan Mahal Road, Lucknow (Steel Seals)

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Assam Valley Trading Co, Gauhati
B Dutt, House of Commerce, Gauhati

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Balchand Rampaul Agarwala, P O, & Rly Stn, Hili, Bogra
Goenka & Co, Kurseong Br — Darjeeling, Ghum, Siliguri, Bagdogra, Jalpaiguri, Maynaguri
Sudhendu Mohan Moitra, Bogra

BIHAR.

J. N Bose, Bose's Square, Muzaffarpur
Mohan Kadia, Raxaul, Champaran
Raja Co, Maghulpura Street, Patna City.
S M A Aziz, Aziz Cottage, Arrah
Thanmull Chunilall, Laheriasarai, Darbhanga

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K B Mazagonwalla & Co, Nawab Building, Hornby Road, Fort, Bombay, No 1
Mangaldas & Co, Musjid Bunder Rd, Gaya Bldgs, Bombay 3
Mehta & Bros, 77, New Charney Road, Bombay
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Nilkanth Padamsey & Co, Vudgadi, Samuel St, Bombay
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Cattle Breeding & Dairying: A handbook on keeping Cows. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

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Babulal Ramsarup, Revdi Bazar, Cross Lane, Ahmedabad
C B Shah & Co, Richey Road, Padapole, Ahmedabad
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Fakirji Bhagat & Burjarji Dalal Co, Bilimora, Surat
K P Kankarya & Co, Poona
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M G Rangwala Buranpuri Bhagal, Surat
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Gangjee Sajun & Co., 11, Clive Street, Calcutta
General Utilities Co, 26, Strand Road, Calcutta
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Imperial Trading Co, 7, Ezra St, Calcutta
Indo-British Trading Co, David Joseph Lane, Calcutta
Karim Bux & Ilahi Bux Bros, 58-4, Canning Street, Calcutta
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Laherchand Khimraj Sethia, 18, Old China Bazar St, Cal
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Ryan & Company, 3/1, Mangoe Lane, Calcutta

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Kerawalla & Co, Station Road, Mhow, C I

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Seth Ram Karan Hanuman Bux, Hinganghat, Wardha
Siddesar & Sons, Bandubpur, Damoh
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Benarasidass Narainda ss, Kacha Bagh, Delhi
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Gulabchand M Bavishi, Naher Kantha, Jamnagar, Kathiawar
Mehta Baghat Kanval Nain, Bhabran Bazar, Bahawalpur
Rajasthan Trading Co, Beawar, Rajputana
Ramkumar Sirajbaksh, Jaipur
Somchand Dharsi, Satna, Rewa State

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East India Commercial Agencies, Marriot Road, Karachi
Frere & Co, Katrak Terrace, Karachi
Ganshamdas Tekchand, Old Market, Karachi
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Lilaram Ramchand Ahuja, Bombay Bazar, Karachi City
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Oriental Mercantile Agency, 19-20, Linga Chetty St, Madras

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K M Cheria Moideen & Co, Baliapatam, Malabar
Kandula Ramaiah, Ellore, W Godavary
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Kerorimal Kanshiram, Kasir Ganj, Meerut City
Lachhman Prasad Gauri Shanker, Madhoganj, Hardoi, U P
Laul & Co, P O Box 74, Cawnpore
Mahabir Singh, Prop K K. Stores, Ahraura, Mirzapur
Mail Order Company, Jalalpur, Fyzabad, U P
Murarilal Banwarilal, Aligarh
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Daw Sen & Co, 29, South Road, Entally, Calcutta (Chutney)
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Great Eastern Condiment Works, 17 Bibibagan Lane, Calcutta
Great Eastern Preserving Works, 83/C, South Road, Entally, Cal (Chutney, Syrups)

Vegetable Oil Industry. An up-to-date manual on oil milling & refining. Price Re 1-8 Industry Book Dept., Shambazar, Calcutta.

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Murshidabad Dairy, 84, Cornwallis Street, Calcutta (Also Chutney & Condiments)
Sreekissen Dutt & Co, 33-2, Middle Road, Entally, Calcutta
Tiger Chemical Works, 44/4, Calnal East Road, Calcutta (Syrup)

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KARACHI.

Eastern Mfg Works, Karachi,
Nanik Chemical Works, Bunder Rd, Karachi

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Sebastian David, P O Vadakangulam, Tinnevelly (Syrups & Snuff)

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K C Mehta & Co, Nasirabad, Rajputana (Fruit Syrup)

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Rash Behari De, Chotobazar, Midnapur (Sweet-meat)

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Dave Sweet Mart, Grant Road, Bombay
Dayaram Damodar Mithaiwalla, 393, Grant Road, Bombay
Favourite Products Co, 7, Dalal Street, Fort, Bombay (Mango Jam)
Imperial Trading Co, 7-10, Elphinstone Circle, Fort, Bombay
Mangaldas & Co, Musjid Bunder Rd, Gaya Bldgs, Bombay 3
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BOMBAY PRESIDENCY.

Swan Chocolate Works, Bilimora

CALCUTTA

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Army & Navy Preserves Co, 10, Ezra St, Calcutta
Balakhana Confectionery, 31/22, Lower Chitpur Road, Calcutta
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Bhim Chandra Nag, 6, 7, Wellington Street, Calcutta (Indian Sweets)
Chowdhury Confectionery Works, 17, Peary Mohan Sur Lane, Calcutta
Das Samanta & Co, 119C, Grey Street, Calcutta (Lozenges)
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H C Wenger, Connaught Place, New Delhi
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INDIAN STATES.

Funnels Confectioners, South Parade, Bangalore
Momtaz Jam Factory, Hyderabad

KARACHI.

Kohinoor Confectionery Works, Rampart Row, Bombay Bazar, Karachi
Nanik Chemical Works Bunder Rd, Karachi

LAHORE

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Madura Confectionery Works, Madura
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Rangildas Parbhudas, Buranpuri Bhagole, Surat
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To learn the art of making disinfectants, read "Manufacture of Disinfectants & Antiseptics" Re. 1-8. Industry Book Dept., Calcutta.

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Natwerlal & Co., Mahajan Association, Patwa Chawl, Bombay.

Odhawjee Khetsey, Hansraj Karamsey House, 202, Masjid Bunder Road, Bombay.

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Lukshmidas Dwarkadas, Madras.

Madhavdas Amersey & Co., 59, Esplanade Road, Fort, Bombay.

Mitsui Bussan Kaisha, 192, Hornby Road, Fort, Bombay.

Narandas Rajaram & Co., Navsari Chamber, Outram Road, Fort, Bombay.

Patel Cotton Co., Ltd., Patel House, 10, Church Gate Str., Bombay.

Punjab Cotton Export Co., Lahore.

Ralli Bros., 21, Ravelin St., Fort, Bombay; Br: Calcutta, Madras, Tuticorin.

Sanghvi Kirchand Sunderji, Morvi, Kathiawar.

Steel Bros. & Co., Ltd., Rangoon.

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Ahmedabad Cotton Mfg Co Ltd, Outside Sarangpur Gate, Ahmedabad M/A—Amratlal Damodardas & Co

Ahmedabad Cotton & Waste Mfg Co, Ltd, Dudheswar Rd, Ahmedabad M/A—Dhirajlal Chunilal & Bros, Railwaypura, Post No 2, Ahmedabad

Ahmedabad Fine Spinning & Weaving Co Ltd, Gomtipur Road, Ahmedabad M/A Girdhardas Harivallabhdas Mills Ltd, Chamanlal Mangaldas & Co, Camp Road, Ahmedabad

Ahmedabad Ginning & Manufacturing Co Ltd, Railwaypura, Ahmedabad M/A Madhowlal Ranchhodlal & Co

Ahmedabad Industrial Mills, Co., Ltd, Gomtipur Road, Ahmedabad M/A Kalidas Lalbhai Mehta & Co, Ltd

Ahmedabad Jubilee Spinning & Manufacturing Co, Ltd, Outside Dariarpur Gate, P O Rly Pura, Ahmedabad No 2 M/A. Chimanlal Nagindas & Co

Ahmedabad Jupiter Spinning Weaving & Manufacturing Co Ltd, M/A—Fulchand Govinda & Co, Ltd

Ahmedabad Kaiser i-Hind Mills Co, Ltd, Outside Raipur Gate, Ahmedabad M/A—Ramanlal Kaniyalal & Co

Ahmedabad Laxmi Cotton Mills Co, Ltd, Outside Raipur Gate, Ahmedabad M/A—Hari prosad Jayantilal Amratlal & Co

Ahmedabad Manufacturing & Calico Printing Co, Ltd, Outside Jamalpur Gate, Ahmedabad M/A—Karamchand Premchand & Co

Ahmedabad New Cotton Mills Co, Ltd, Kankaria Rd, Outside Raipur Gate, Ahmedabad M/A—Ranchhodlal Girdharlal & Co, Ltd

Ahmedabad New Standard Mills Co, Ltd, Near Saraspur Gate, P O Railway Pura, Ahmedabad M/A—Sakarlal Naranlal & Co, Ltd

Ahmedabad New Textile Mills Co Ltd, Outside Raipur Gate, Ahmedabad M/A—Naranlal Jivanlal & Co, Post Box No 30, Ahmedabad

Ahmedabad Sarangpur Mills, Co, Ltd, Outside Raipur Gate, Ahmedabad M/A—Himatlal Motilal & Co, Outside Raipur Gate, Ahmedabad

Ahmedabad Shri Ramkrishna Mills Co, M/A—Chimanlal Maneklal & Co, Gomtipur Rd, Ahmedabad

Hand Spinning & Weaving: Contains detailed methods As 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA

Ahmedabad Spinning & Weaving Co., Ltd., Shahapur, Ahmedabad. M./A.—Ranchhodlal Chhotalal & Co.

Ajit Mills Ltd., Kakhial Road, Ahmedabad. M./A.—Chinubhai Naranbhai & Co., Ltd.

Ananta Mills Ltd., Rakhial, Ahmedabad. M./A.—Jayantilal Amratlal Ltd., Outside Raipur Gate, Ahmedabad

Aruna Mills, Ltd., Naroda Road, Ahmedabad. M./A. P. M. Hutheasing & Sons Ltd., Pankore's Naka, Seth Lalbhai Dhalpathai Vanda, Ahmedabad.

Arvind Mills Ltd., Naroda Road, Ahmedabad. M./A. Narottam Lalbhai & Co., Post Box No. 56. Ahmedabad.

Aryodaya Ginning & Mfg. Co., Ltd., Asarva Road, Ahmedabad, M./A. Mangaldas & Brother.

Aryodaya Spinning & Weaving Co., Ltd., 1 & 2, Asarva Road Ahmedabad. M./A.—Mangaldas & Balabhai Co.

Asarwa Mills Asarva Road, Ahmedabad, M./A. The Provident Investment Co. Ltd., Asarva Road, Post Kalupur, Ahmedabad.

Asoka Mills, Ltd., Naroda Road, Ahmedabad. M./A.—Lalbhai Dalpatbhai & Co., P. O. Box 55, Ahmedabad.

Barsi Spinning & Weaving Mills Ltd., Barsi. M./A. Desai Sons & Co., 17B, Elphinstone Circle, Fort, Bombay,

Bechardas Spinning & Weaving Mills Co., Ltd., Raikhad, Ahmedabad. M./A.—Durgaprasad S. Laskahi & Co.

Bhagirath S. W. & Mfg. Co. Ltd., Jalgaon. M./A.—Gendalal Surajmal & Co., Jalgaon.

Bhalakia Mills Co. Ltd., Kankaria Road, Ahmedabad. M./A. Seth Jethalal Purshotamdas Bhalakia. Post Box No. 29, Ahmedabad.

Bharatkhand Cotton Mills Co. Ltd., Naroda Rd., P. O. Railwaypura, Ahmedabad. M./A.—Moolchand Jeykishandas & Co.

Bharatkhand Textile Manufacturing Co., Ltd., Camp Rd., Ahmedabad. M./A.—Jivanlal Girdharlal & Co., Post Box 30, Ahmedabad.

Bharat Laxmi Cotton Mills Co., Ltd., Beyond Kankaria Railway Siding, Ahmedabad. M./A.—Ranchhodlal Amratlal & Co.

Bharat Spg. & Wvg. Co. Ltd., No. 1, Hubli, Dharwar. M./A.—Purshotam Govindjee & Co., 9-19, Bank Street, Fort, Bombay.

Bharat Suryodaya Mills Co. Ltd., Near Jaganath Mahadev, Railwaypura, Ahmedabad. M./A. Manilal Sankalchand & Co., Ltd.

Bharat Vijaya Mills (formerly Kalol Kapadia Spg. & Wvg. Mills Co. Ltd.), Kalol, N. Gujarat. M./A. Ramanlal Champaklal & Co., Palace Road, Baroda.

Bihari Mills, Ltd., Outside Raipur Gate, Ahmedabad. M./A. Motilal Harilal & Co. Ltd., Outside Raipur Gate, Ahmedabad.

Broach Fine Counts Spinning & Weaving Co., Ltd., Mohamadpura Road, near Station, Broach. M./A.—Brijlal Bilasraj & Co., Agakhan Building, Dalal Street, Fort, Bombay.

Chalisgaon Shri Laxmi Narayan Mills Ltd, Chalisgaon, E. Khandesh. M./A.—Sheth Narayan Bankat.

Chandrakant Mills Ltd., Near Susker Lake, Ahmedabad. M./A. Balabhai Girdharlal & Co.

Chandrodaya Mills, Ltd., Viramgaum Bombay Precy. M./A.—Chunilal Kushaldas & Co., Ltd., Maneck Chowk, Ahmedabad.

Chhotalal Mills, Kalol, North Gujrat, Bombay Precy. M./A.—Sheth Chotalal Hirachand.

City of Ahmedabad Spinning & Manufacturing Co., Ltd., Kankaria Road, Ahmedabad. M./A.—Chandulal Karsandas & Co., Ltd., P. O. Box 40, Ahmedabad.

Commercial Ahmedabad Mills Co., Ltd., Daraipur, Kajipur, Ahmedabad. M./A.—Dhanjibhai & Tricumlal & Co. Ltd.

Catechu Making is quite paying. Read Manufacture of Catechu, Re. 1-8.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Girdhardas Harivallabhdas Mills Ltd., Outside Premdarwaja, Ahmedabad. M./A. Chamanlal Mangaldas & Co.

Gokak Mills, Ltd., Gokak Falls, Belgaum Dt. M./A.—Forbes, Forbes Compbell & Co., Ltd., Forbes Bldg., Home St., Fort, Bombay.

Gopal Mills Co. Ltd., White Road, Broach. M./A.—Nandadas Hari das & Co., Vasant Bhuvan, Shahibag, Ahmedabad.

Gujrat Cotton Mills Co., Ltd., Naroda Road, Ahmedabad. M./A.—Parikh Santilal Bhagvandas & Co.

Gujrat Ginning & Manufacturing Co. Ltd., Outside Kalupur Gate, Ahmedabad. M./A. Jamnabhai Mansukhbhai, Post Box No. 38. Ahmedabad.

Gujrat Spinning & Weaving Co., Ltd., outside Kalupur Gate, Ahmedabad. M./A.—Jamnabhai Mansukhbhai, Post Box No. 38, Ahmedabad.

Harivallabhdas Mulchand Mills Co., Ltd., outside Dariapur Gate, Ahmedabad. M./A.—Girdharlal Harilal & Co.

Hathising Manufacturing Co. Ltd., Outside Saraspur Gate, Ahmedabad. M./A.—Maneklal Mansukbhai & Co.

Hatim Mills Ltd., Lal Darwaja, Surat, Prop. Khan Saheb Esoofali Ibrahim Badari, Station Road, Surat.

Himabhai Manufacturing Co. Ltd., Near Saraspur Gate, Ahmedabad. M./A.—Dhirajlal Khushaldas & Bros., Railwaypura P.O., Ahmedabad.

Jam Shri Ranjitsinghji Spinning & Weaving Mills Co., Ltd., Sholapur, Bombay Precy. M./A. —Lalji Naranji & Co., Ewart House, Tamarind La., Bombay.

Jayanti Mills Ltd., Viramgaum, Bombay Precy. M./A.—Gordhandas Nathalal & Co., Ltd., Latif Bldg., Renti Bazar, Railwaypura P. O., Ahmedabad.

Jayashankar Mills, Ltd., Barsi Town, Bombay Precy. M./A.—Zadbuke & Co.

Jehangir Vakil Mills Co., Ltd., Outside Delhi Gate, Ahmedabad. M./A.—Rustomjee Mangaldas & Co., Ltd.

Kalyan Mills Ltd., Naroda Road, Ahmedabad. M./A.—Kalidas Motibhai Mehta & Sons, Ltd., Railwaypura Post, Ahmedabad.

Khandesh Spg. & Wvg. Mills Co., Ltd., Jalgaon, East Khandesh Dt. M./A.—Muljee Jetha & Co., Ewart House, Tamarind Lane, Fort, Bombay.

Lakshmi Cotton Manufacturing Co., Ltd., Sholapur. M./A.—Bombay Co., Ltd., 9, Wallace St., Fort, Bombay,

Lalbhai Tricumlal Mills Ltd., Rakhial Road, Ahmedabad. M./A. Chinubhai Lalbhai & Bros., Ltd.

Lokamanya Mills, Ltd., Barsi Town, Bombay Presy. M./A.—Sulakhe & Co.

Maneckchowk & Ahmedabad Co. Ltd., Nos. 1 and 2, Railwaypura Post, Ahmedabad. M./A.—Hiralal Tricumlal.

Manecklal Harilal Spinning & Mfg. Co. Ltd., Saraspur, Ahmedabad. M./A.—Harilal Harivallabdas & Co.

Marsden Spinning and Manufacturing Co., Ltd., Gomtipur, Ahmedabad. M./A.—Marsden Bros. & Co. Ltd., Railwaypura Post, Ahmedabad.

Monogram Mills Co., Ltd., Rakhial, Ahmedabad. M./A.—Manilal Marsden & Co., Ltd., Railwaypura, Ahmedabad.

Motilal Hirabhai Spinning, Weaving & Mfg. Co., Ltd., Outside Prem Gate, Ahmedabad. M./A. Motilal Hirabhai & Sons, Railwaypura, Ahmedabad.

Nagri Mills Co. Ltd., Jagnath Mahadev Road, Gomtipur, Ahmedabad. M./A.—Popatlal Chimanlal & Co.

Narayandas Chunilal Cotton Spg. & Wvg. Mills, Gadag, Dharwar. M./A.—S. N. Chunilal.

Narsinggirji Manufacturing Co., Ltd., Station Road, Sholapur. M./A.—Raja Bahadur Narsinggirji Gyangirji.

Catechu Making is quite paying. Read Manufacture of Catechu, Re. 1-8.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

National Mills Co., Ltd., Gomti pur Road, Ahmedabad. M./A. Popatlal Harilal Nogri.

Nava Bharat Mills Ltd., Naroda Road, Ahmedabad. M./A. Bansilal and Chandulal & Co.

Navjivan Mills Ltd., Kalol, North Gujrat. M./A. Rustomjee Mangaldas & Co.

New Chhotalal Mills Co., Ltd., Khadi. M./A.—Chhotalal Hira chand & Sons.

New Commercial Mills Co., Ltd., Naroda Road, Ahmedabad. M./A. Tricumlal Bhogilal & Co., Ltd.

New Darbhanga Mills, Opp. Rv. Station; Navsari, Surat. M./A.—Sitalprasad Karagprasad.

New Maneckchock Spinning & Weaving Co., Ltd., Outside Dariapur Gate, Railwaypura, Ahmedabad. M./A.—Lalbhai Trikamlal.

New National Mills Co., Ltd., Rakhial Road, Ahmedabad. M./A. Popatlal Harilal Nagri & Co., Ltd.

New Pratap Spg., Weaving & Mfg. Co., Ltd., Dhulia, W. Khandesh. M./A.—Motilal Maneckchand & Sons.

New Rajpur Mills Co., Ltd., Gomtipur, Ahmedabad. M./A.—Bhikhabhai Jivabai & Co.

New Shorrock Spinning & Manufacturing Co., Ltd., Nadiad, Dist. Kaira. M./A.—Mafatlal Chandulal & Co., Asarva Rd., Railwaypura P. O., Ahmedabad.

New Swadeshi Mills of Ahmedabad Ltd., Naroda Road, Ahmedabad. M./A.—Sheonarain Surajmal Mimani.

New Valabh Mills Co., Gomtipur Road, Ahmedabad. M./A. Himatbhai Bhagubhai & Co.

Niranjan Mills, Ltd. (formerly Tikayaram Mills), Surat. M./A. Pallonji & Co.

Nutan Mills Ltd., Saraspur Road, Ahmedabad. M./A. Jagabhai Bhogilal Nanavatti & Co., Ltd. Pankore Naka, Ahmedabad.

Patell Mills Co., Ltd., Gomtipur Road, Ahmedabad. M./A.—Dhirajlal Chunilal & Co.

Pratap Spg. Wvg. & Mfg. Co. Ltd. Amalner, E. Khandesh. M./A. Motilal Maneckchand & Co.

Purshotan Spinning & Mfg. Co., Ltd., Outside Raipur Gate, Ahmedabad. M./A.—Munsukbhai Bhagubhai & Co., Railwaypura Post, Ahmedabad.

Raipur Manufacturing Co., Ltd., Outside Saraspur Gate, Ahmedabad. M./A.—Lalbhai Dalpatbhai & Co., P.O. Box 54, Ahmedabad.

Raja Bahadur Motilal Poona Mills, Ltd., 5, Kennedy Rd., Poona. M./A.—Govindlal & Co., 58-64, Custom House Road, Fort, Bombay.

Rajnagar Spinning, Wvg. & Mfg. Co. Ltd., N. I, Railwaypura Post, Camp Road, Ahmedabad. M./A. Mr. Mangaldas Girdhardas Parekh. Post Box No. 40, Ahmedabad.

Rohit Mills Ltd., Mithipur, Ahmedabad. M./A. Lallubhai Gordhandas Ltd., Near Kokhra, Mehmedabad, Mithipur, Ahmedabad.

Rustom Jehangir Vakil Mills Co., Ltd., Outside Delhi Gate, Ahmedabad. M./A.—Rustomji Manilal & Co.

Sarangpur Cotton Manufacturing Co. Ltd., N. 1. Outside Raipur Gate, Ahmedabad. M./A. Sakarlal Balabhai & Co.

Saraspur Mills, Ltd., Near Saraspur Gate, Ahmedabad. M./A.—Lalbhai Dalpatbhai Sons & Co.

Sholapur Spg. & Wvg. Co. Ltd., Station Road, Sholapur. M./A.—Lalbhai Dalpatbhai Sons & Co., Sudama House, Wittet Rd., Ballard Estate, Bombay.

Shorrock Spinning & Manufacturing Co., Ltd., Asarva Road, Ahmedabad. M./A.—Mafatlal Chandulal & Co.

Shree Savaji Jubilee Cotton & Jute Mills Co., Ltd., Sidhpur, (R. M. Ry). Opp. Ry. Stn. M./A.—Prelhadji Sevakram & Co., Opp. Station, Sidhpur. (R. M. Ry).

Inventions of To-day makes your information up-to-date. As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Shri Ambica Mills, Ltd, Kankaha Loco Siding, Ahmedabad M./A. Harivallabhdas Kalidas & Co

Shri Gajanan Weaving Mills, Sudampuri, Sangli, S M Country. M/A—V R Velankar

Shri Laxmi Weaving & Manufacturing Co, Ltd, Rajpur, Gomtipur Road, Ahmedabad M/A Munshaw & Co

Shrinagar Weaving and Manufacturing Co, Ltd, Near new Railway Overbridge, Ahmedabad M/A Govinddas Manecklal & Co

Shri Vivekanand Mills Ltd, Gomtipur Road, Ahmedabad M./A Nanubhai Maneklal & Co

Sidhpur Mills Co, Ltd, Sidhpur, Bombay Precy M/A Maganlal Parbhudas & Co

Silver Cotton Mills Co, Ltd, Kankaria Road, Ahmedabad M/A Gopalbhai Balbhaj & Co

Surat Cotton Spinning & Weaving Mills, Ltd, Begamwadi, M/A Mafatlal Gagalbhai, 29, Churchgate St, Fort, Bombay

Surat Industrial Mills Co, Ltd, Sahara Gate, Surat

Suryaprakash Weaving Factory, Near Station Road, Surat M/A Dayaram Harkisondas Chevli,

Tapidas Govanram Khaddar Factory, Begumpura, Surat

Tikekar Textile Mill, Ltd, Tikekerwadi Sholapur Dt M/A L V Tikekar

Vasant Spg & Wvg Mills Ltd, Broach

Vijaya Mills Co Ltd, Narod Road, Ahmedabad M/A Haridas Achratlal & Co

Vikram Mills Ltd, Outside Rakhial Gate, Ahmedabad M/A Ramanlal Lalubhai & Bros

Vishnu Cotton Mills Ltd, Sholapur M/A Bombay Co Ltd, 9, Wallace Street, Fort, Bombay

BURMA.

Consolidated Cotton & Oil Mills Ltd, Myingyan, (U Burma) M/A Steel Bros & Co, Merchant Street, Rangoon

CENTRAL INDIA.

Binod Mills Co., Ltd, Ujjain, C.I., Including Deep Chand Mills, Mg Agents —Binodiram Bal Chand

Shree Sajjan Mills Ltd, Rutlam, M/A Gopaldas Liladhar & Co, Shivlal Motilal Mansions, Apollo Street, Bombay

CENTRAL PROVINCES & BERAR

Bengal Nagpur Cotton Mills Ltd, Rajnandgaon M/A,—Shaw Wallace & Co, 4, Bankshall St, Calcutta

Berar Manufacturing Co, Ltd, Post Badnera, Dt Amraoti, M/A—Kasturchand Dadalbhoy & Co, Lloyd Bldg, Ballard Estate, Fort, Bombay

Burhanpur Tapti Mill, Ltd, Burhanpur, Lal Bag, Niman Dt M/A—Cowasji Dinshaw & Brothers, 121, Medows Street, Fort, Bombay

Central India Spg Wvg & Mfg Co, Ltd, Nagpur M/A—Tata Sons Ltd, Bombay House, 24, Bruce St, Fort Bombay

Model Mills, Nagpur, Ltd, Umrer Road, Nagpur, C P M/A,—Bansilal Abirchand Dadabhoy & Co, Lloyd Bldg, Graham Road, Ballard Estate, Fort, Bombay

Pulgaon Cotton Spinning, Weaving & Manufacturing Co Ltd, Pulgaon, Wardha

Rai Bahadur Bansilal Abirchand Spinning & Weaving Mill, Hinganghat

Rai Sahib Rekhchand Gopaldas Mohota Spinning & Weaving Mills, Hinganghat

Raja Goculdas Mills, Ltd, Ramtal, Jubbulpore M/A—Seth Chamanlal G Parekh, Laldarvaza, Ahmedabad

Savatram Ramprasad Mills Co, Ltd, Akola, Berar

Vaidarbha Mills, Berar, Ltd, Ellichpur, Amraoti Dist M/A—V H Deshmukh & Co

DELHI.

Birla Cotton Spg & Wvg Mills, Ltd, Subzimundi, Delhi M/A Birla Brothers Ltd, 8, Royal Exchange Place, Calcutta

Inventions of To-day makes your information up-to-date As. 4.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Delhi Cloth and General Mills, Rohtak Road, Delhi.
Goenka Cotton Spinning & Weaving Mills Co., Ltd., Grand Trunk Road, Delhi.
Kailash Mills (formerly) Lakhmi Chand Jaipuria Cotton Spinning & Weaving Mills Co., Subzimandi, Delhi.
National Cotton Spg. & Wvg. Mills, Delhi.
S. Sujan Singh S. B. Sobha Singh, "Baikunth," 3, Tanter Manter Rd., New Delhi.

INDIAN STATES.

A. D. Cotton Mills Ltd, Quilon, Travancore. M/A. Girdharlal Amratlal Ltd.
Aurungabad Mills, Ltd., Aurungabad, Hyderabad, Deccan.. M./A. Doraswami Iyer & Co., 52, Victoria Bldgs., Fort, Bombay.
Azam Jahi Mills Ltd., Warrangal, Hyderabad.
Bangalore Woollen Cotton and Silk Mills Co., Ltd., Agaram Road, Mangalore City. M./A. Binny & Co., (Madras) Ltd, 7, Armenian St, Madras.
Baroda Calico Industrial Mills Co., Ltd., Bahucharaji Road, Baroda. M./A. Amin Patel & Co., Baroda.
Baroda Spinning & Weaving Co., Ltd., Pani Gate, Baroda. M./A. Javerchant Lakshmichand & Co.
Binod Mills Co. Ld., Ujjain, Gwalior M./A.—Binodiram Balchand, Jhalrapatan City, Rajputana.
Cambay State Mills, Cambay.
Cotton Ginning Spg. & Wvg. Mills, (Nazarali Mills) Nijatpura, Ujjain.
Dewan Bahadur Ramgopal Mills, Ltd., Elichigudda, Hyderabad (Deccan). M./A. Lachminarain Ramgopal & Son Ltd., 25, St. John's Road, Secunderabad.
Edward Mills Co. Ltd., Beawar. M./A. Gadhmal Loda & Seth Motilal, Diggel Street, Beawar.
Gaekwar Mills Ltd., Billimora, Baroda State. M./A. H. M. Metha & Co., Ltd., Mubarak Manzil, Apollo St., Fort, Bombay.
H. H. The Maharaja Spinning & Weaving Mills, Indore City. M./A. Pannalal Nandalal Bhandari & Co., Ltd., State Mills Indore.
Hira Mills Ltd., Ujjain M./A. Sarup chand Hukamchand & Co.
Hukumchand Mills Ltd., Ujjain. M./A. Sarupchand Hukumchand & Co.
Hyderabad (Deccan) Spinning & Weaving Co. Ld., Secunderabad. Deccan, M./A. Ramanath Bhoomiah & Venkata-Krishniah, Ewart House, Tamarind Lane, Fort, Bombay.
Indore Malwa United Mills Ltd., Indore. M./A. Govindram Seksaria, Raja Bahadur Bansilal Motilal Mansion, Bruce Street, Fort, Bombay.
Jivajeerao Cotton Mills Ltd., Gwalior, M./A. Birla Bros. Ltd, 8, Royal Exchange Place, Cal.
Kalyanmal Mills Ltd., Silnath Camp, Indore.
Keshav Mills Co. Ltd., Petlad, Baroda. M./A. Chandulal Keshavlal & Co.
Krishna Mills Ltd., Near Ry. Station, Beawar. M./A. Thakurdas Khinvraj & Co., Beawar.
Krishna Kumar Mills Co., Mahuva, Kathiawar. M./A.—Surendranath Maganlal & Co.
Mahaboob Shahi Gulbarga Mills Co. Ltd., Gulbarga, (Deccan). M./A. Dhyaram Surajmal Lahoti, 1727, Gunj Bazar, Secunderabad, (Dn.).
Mafatlal Fine Spg. & Mfg. Co., Vijalpur Road, Navsari. M./A. Navinchandra Purushottamdas & Co.
Mahalaxmi Mills Ltd., Bhavnagar. M./A. Hargovandas Jivandas & Sons, Ltd.
Mahalakshmi Mills Co., Ltd., Beawar M./A. Seth Lalchand Kothiari and Seth Vithaldas Rathi, Beawar.
Maharajah Kishengarh Somyag Mills Co. Ltd., Kishengarh.
Maharana Mills Ltd., Porbandar. M./A. Nanji Kalidas Mehta, Opp. Rly Station, Porbandar.

Trade Terms & Abbreviations: Unique collection alphabetically arranged. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta.

Minerva Mills Ltd, Magadi Road, Bangalore M/A. N. Sirur & Co, N. 19, Bank Street, Fort, Bombay

Morvi Mills, Morvi, M/A Raghavji Tarachand & Co, Mulji Jetha Market, Bombay

Motilal Agarwala Cotton Mills, Gwalior

Muslim Weaving Factory, Kolar, Mysore

Mysore Spg & Wvg & Mfg Company Ltd, 1, Tumkur Road, Maleswaram, Bangalore M/A N Sirur & Co, No, 19, Bank Street, Fort, Bombay

Nandalal Bhandari Mills Ltd, Indore City M/A—Nandlal Bhandari & Sons

New Baroda Mills Co Ltd, Near Goya Gate Station Baroda, M/A Javerchand Lakhmichand Bros, & Co

New Jehangir Vakil Mills Co Ltd, Bhavanagar, Kathiawar M/A—Rustomji Mangaldas & Co, Bhavnagar, Kathiawar

Osmanshahi Mills Ltd Nanded, M/A Industrial Trust Fund, Khairatabad Road, Hyderabad

Petlad Bulakhidas Mills Co Ltd, Near Station Road, Petlad M/A Motilal Kalandas & Co, Station Road, Petlad, Baroda

Rajkot State Cotton Mills, Karansinghji Cross Road, Karanpura, Rajkot, Kathiawar

Rajkumar Mills, Ltd, Indore City M/A—Sarupchand Hukamchand & Co

Rajratna Naranbhai Mills Co, Ld, Petlad, (Baroda) M/A Ramanlal Keshavlal & Co

Santokbai Weaving Factory, Near Station Bhavasingji Road, Bhavnagar Prop Mr G G Gundigara.

Shree Amarsinghji Mills Ltd, Wankaner, Kathiawar M/A Jayantilal Amratlal & Co

Shree Sajjan Mills Ltd, Rutlam M/A Gopaldas Liladhar & Co, 28, Apollo Street, Bombay

Shri Savaji Mills Co Ltd, Near Old Railway Station, Baroda M./A Samel Bechar & Co, P O Box 37, Baroda

Shri Shahu Chhatrapati Spg & Wvg Mills, Shahupuri, Kolhapur, Prop H H The Chhatrapati Maharaja Saheb of Kolhapur, Shahupuri, Kolhapur

Sitaram S & W Mills, Ltd, Trichur, Cochin State, Malabar Coast M/A. T R Anantharama Iyer & Bros, Ltd, Trichur

Sri Krishna Rajendra Mills Ltd, Siddalingalpur, Mysore M/A N Sirur & Co, 70 Forbes Street, Fort, Bombay.

Shree Krishna Weaving Mill, Subramanyapura, Uttanhalli, Mysore

Swadeshi Cotton and Flour Mills, Ltd, Indore City M/A.—Jagannath Narayan & Co, Silnath, Camp, Indore

Shri Jagadish Mills Ltd, (formerly Maharaja Mills Co, Ltd) Padra Road, Baroda M/A Harballabhdas & Sons

Wadhwan Camp Mills Ltd, Wadhwan Civil Station, Kathiawar M/A L M Mehta & Co, Albert Bldg, Fort, Bombay

Yeshwantpur Silk & Cotton Mills Yeshwantpur, Bangalore City M/A D T & Co, Chickpet, Bangalore

LAHORE

Mela Ram Cotton Mills, Outside Bhati Gate, Mela Ram Road, Lahore

MADRAS PRESIDENCY.

Andhra Cotton Mills (formerly Krishna Cotton Mills, Ltd) Tadepalli, Guntur Dist Prop Raja Laxmi Nivas Ganeriwal, 139 Oxford St, Secunderabad

Buckingham & Carnatic Co Ltd, Cotton Press, Perambore, Madras

C Aaron & Son's Weaving Factory, Pappinissery, North Malabar

Cambodia Mills Ltd, Singanallur P O, Coimbatore Dt,

Coimbatore Cotton Mills Ltd, Singannallur, Coimbatore, M/A R Beema Naidu & Co

Coimbatore Spg & Wvg Co Ltd, Annuperpalayam, Coimbatore M/A Coimbatore Mills Agency Ltd

Trade Terms & Abbreviations: Unique collection alphabetically arranged. Price As. 4. INDUSTRY BOOK DEPT., Shambazar, Calcutta

Commonwealth Weaving Factory, Cannanore M/A Commonwealth Trust Ltd, Calcutta
Dhanalakshmi Mills Ltd, Uthurkuli Road, Tiruppur M/A Nanjappa Chettiar & Sons, Tiruppur
Kaleeswarar Mills Ltd, Anuperpalayam, Coimbatore
Laxmi Mills Co Ltd, Pappanaickenpalayam, Avanashi Road, Coimbatore M/A G Kuppuswamy Naidu & Co
Lotus Mills, Sundrapuram, Padanur
Loyal Mills Ltd, Kovilpatti, Tinnevelly Dt M/A E D Sassoon & Co, Ltd, Supariibaug Rd, Parel, Bombay
Madras United Spg & Wvg Co Ltd, DeMellows Road, Choolai Madras M/A Karsondass Mulji Jaitha & Co, Ewart House, Tamarind Lane, Fort, Bombay
Madura Mills Co Ltd, Factories at Madura Tuticorin, Ambasamudram, Madura East, Managers A & F Harvey, Tuticorin
Mahalakshmi Textile Mills, Ltd, Madura M/A S S N, Lakshmana Chettiar & Co, Pasumalai, Madura
Malabar Spinning & Weaving Co Ltd, Kallai, Malabar
Palani Andavar Mills Ltd, Dhally Road, Udamalpet, M/A, Bhaghyalakshmi & Co
Pankaja Mills Ltd, Coimbatore, M/A C S Ratnasabapathy Mudaliar & Sons
Radha Krishna Mills Ltd, Peelamedu, Coimbatore M/A A G Guruswami Naidu & Co
Raja Mills, Madura M/A—M V Palanisamy
Rajalakshmi Mills Ltd, Uppilipalayam, Singanallur P. O. Coimbatore Dt.
Shri Dinesh Mills Ltd, Padra Road, Baroda
Somasundaram Mills Ltd, 270, Mill Road, Coimbatore
Sree Meenakshi Mills, Ltd, Thirupparamkundram Rd, Madura M/A.—Thiagaraja Chetty & Co
Sri Kathandram Mills, Venkatapaty Iyengar Lane, Ramnad Road, Madura, Owners S S. Ramudu Iyer & Bros, 215, Ramnad Road, Madura
Sri Ramchandra Spg & Wvg, Mills, Pandalapaka, Godavary Dt.
Sri Ramalinga Choodambikai Mills Ltd, Tiruppur, M/A G Kutti Chetty & Bros, Uthukuli Road, Tiruppur
Sri Ranga Vilas Ginning Spg and Wvg Mills, Ltd, Peelamedu, Coimbatore M/A—P S. Govindaswami Naidu & Sons
Sri Sarada Mills Ltd, Podanur, Coimbatore M/A V S Sengotiah & Bros
Sri Suryanarayana Spinning & Weaving Mills, Pandalapaka, Godavary.
Vasanta Mills Ltd Singanallur, Coimbatore M/A R K Shanmukham Chetty & Bros

PONDICHERRY

Anglo French Textile Co Ltd, Pondicherry M/A Best & Co, Ltd, Post Box 63 Madras
Etablissement Textile De Modelharpeth S A Modelharpet, Pondicherry
Savana Society Anonyme de filature Tissage Mecanique, Savana Pondicherry M/A. Charles Goudey, Pondicherry

PUNJAB.

Bankteshawar Cotton Mills, Amritsar
Guru Ram Dass Spg, Wvg. and Ginning Cotton Mills, Grand Trunk Road, Amritsar M/A —Jawahiar Singh Sundarsingh Babbar
Lyallpur Cotton Mills, Lyallpur, Manager B N Kholsa
Punjab Textile Mills Ltd, Montgomery, Manager Maharaj Kishen
Shri Benkateswar Cotton Spg & Wvg Mills, Bhiwani

UNITED PROVINCES.

Atherton Mills Ltd, Props Atherton West & Co., Ltd, Anwarganj, Cawnpore.
Benares Cotton and Silk Mills, Ltd, Chowkaghat, Benares Cantt

Sugar Making pays in these days Read Sugar in India Rs. 3-8.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Bharati Cotton Mills Ltd, Kote Ghat, Mirzapore M/A Kumar Weaving Concern Ltd, Mirzapore, U P
Bijli Mills, Mendu Gate, Hathras City, M/A E D Sassoon & Co, Ltd, Suparibaugh Road, Bombay
Cawnpore Cotton Mills Co, Cooperganj, Cawnpur Owners British Indian Corporation Ltd, Post Box No 3, Cawnpur
Cawnpore Textile Ltd, Chinghighar Cawnpore M/A Begg Sutherland & Co, Sutherland House, Cawnpore
Elgin Mills Co Ltd, Civil Lines, Cawnpore M./A Begg Sutherland & Co Sutherland House, Cawnpore
John's Spg & Wvg Mills, Rajaghat Agra M./A John Brothers, 49 Cantonment, Agra
Juggilal Kamlapat Cotton Spg & Wvg Mills, Ltd Cawnpore M/A Lala Kamlapat, Kamla Tower, Cawnpore
Lakshmi Ratan Cotton Mills Co, Ltd Cawnpore M/A Beharilal Kailashpat, Office on Mill premises
Lalla Mal Hardeo Dass Cotton Spinning Mill Co, Sadabad Gate, Hathras City, Aligarh
Moradabad Spinning & Weaving Mills Co Ltd, Kundunpur, Moradabad
Muir Mills Co, Ltd, Cawnpore M/A Sir Thomas Smith, Cawnpore
Munnalal Spg Mills, Sachendi Cawnpore Office, Munnalal Street, Cawnpore
Narayan Cotton Mills, Bansumandi, Cawnpore M/A H Bevis & Co P O Box 29 Cawnpore
New Ramchand Cotton Mill Co, Hathras City, Aligarh Dt M/A Harcharandas Purshottamdas, Mursan Gate, Hathras City
New Victoria Mills Co, Ltd, Gwaltoli, Cawnpore
Prem Spinning and Weaving Mills Co Ltd, Ujhani, Dt, Badaun M/A Kriparam Brijlal, Ujhani
Ramchand Gursahaimal Cotton Mills Co Ltd, Talkatore, Lucknow
Swadeshi Cotton Mills Co, Ltd, Juhi, Cawnpore M./A H Horsman P O 19, Cawnpore

CRAYON MANUFACTURERS.

Bhasin Chalk Pencil Factory, Gujranwala
De Comrade & Co, Delhi
G B Co, 7, Ashu Babu Lane, Kidderpore Calcutta (Cutters' Chalk & Chalk Pencils)
Gurunathan Chalk Works, Ariyalurs, Trichinopoly
H P Kharwala 275 Samuel St, Vadigadi Bombay
Indian Crayon Co, Governorpet, Bezwada, Kistna
Indian Crayon Works, Ahmednagar
Modgil Crayon Co, Ramaswamy, Karachi
National Crayon Works 1, Reddi Row Tank South, Kumbakonam
Plaster of Paris Mfg Co, Jalalpur, Kiknam, Jhelum
Scientific Product Co, 6, Kirti Mitter Lane, Calcutta
Sree Radha Krishna Chalk Works, Nuzvid, Kistna
T S Chakrapani, A Kadai St, Koradacheri, Tanjore

CURIO DEALERS.

BENGAL.

Panchu Gopal Dawn & Sons, Croatus House Barnagore, 24, Parigs

BOMBAY CITY

A Bhicajee & Co, Apollo Street, Bombay,
B M Trading Corporation D 16, P O Box 237, Bombay (Kismet Pearl Necklace)
D Bhicajee & Son, Churchgate St, Fort, Bombay
D Chellaram, 41-45, Medows St, Fort, Bombay

Sugar Making pays in these days Read Sugar in India Rs. 3-8.
INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

Florence Agency, Parsi Bazar Street, Bombay.
Hiranand Valiram, 13-16 New Chawl, Near Carnac Bridge, Bombay. (Also Carpet).
T. S. Thadhani & Sons, Kazi Syed Street, Mandvi, Bombay.
Thakorlal Golab Chand, Bhundi Bazar, 11-113, Bombay.

BOMBAY PRESIDENCY.

Curio & Silk Mart, 76, Main St., Poona Camp.

CALCUTTA.

Bengal Stores Ltd., 8-A, Chowringhee Place, Calcutta. M./A. Birla Bros. Ltd.
L. H. Lilaram & Co., 9, Park St., Calcutta.
Satramdas Dhalamal, 12-H, Galstaun Mansions, Park Str., Cal.
Tarachand Pursram & Co., 57, Park St., Calcutta.

CENTRAL INDIA.

R. S. Gangadeen & Bros., Mhow

DELHI.

Jagdishwar Dayal, Dayal Buildings, Near Lloyds Bank, Delhi.
Kishen Chand & Sons, Chandni Chowk, Delhi.

INDIAN STATES.

Kashmir & Tibet Trading Co., Gowkadal Rd, Srinagar.
Kh. Nooruddin Pandit Ghulam Mahammad, Jamalatta, 6th Bridge, Srinagar.
Lasso & Sons, 3rd Bridge, Srinagar.
Rajputana Marble Co., Makrana, Rajputana.
Rising Sun & Co., Kishenpole Bazar, Jaipur City. (Marble),
Sunderlal & Sons, Jaipur.

LAHORE.

Trakru & Co., Machchi Hatta St., Lahore.

MADRAS CITY.

Chandra & Co., China Bazar, Madras.
Eastern Commercial Co., P.O. Box No. 165, Madras.
Perumal Chetty & Co., Stringers St., Madras.

MADRAS PRESIDENCY.

H. A. Ebrahim Sait, Coonoor.
P. Motiram, Dupleix St., Pondicherry.

PUNJAB.

Jagindra Mohan Taur, Chhiambian's St., No. 3, Ludhiana.

RANGOON.

Burma Shell Art Works, 156, 30th St., Rangoon.
Goonamal Parasram, 73, Phayre St., Rangoon.

UNITED PROVINCES.

Agra Marble Curio (Regd), Site No. 2, Jumna Rd., Agra.
Agra Marble Works, Co, Drummond Road, Agra.
Balkishan Seth & Bros., Benares.
Bhargava Bros., Banda, U. P.
K. R. Bidani & Co., Bidani Building, Multan City.
K. P. Saksena & Co., Newazganj, Lucknow.
Laxmi Lal Anand Bros., Shyam Niwas, Almora.
M. A. Karim & Bros., Thataira St., Moradabad.
Munshi Ganeshi Lal & Sons, 9, Drummond Road, Agra.
Paticash Bros., Benares City.
Sugan Chand Jain & Co., Johri Bazar, Agra. (Marble).

CUTLERY DEALERS.

BENGAL.

Esun Grandson, Gharialdanga, Rungpur.
M. N. Banerjee & Co., Dacca.
Prem Chand & Co., Dacca.
Prem Chand Mistri, Kanchannagar, Burdwan.
R. D. Mehta & Co., Main Road, Asansol, Burdwan.

BIHAR.

Bose Bros., Ltd., Faulkner's Road, Muzaffarpur.

BOMBAY CITY.

Haji Moosa Ismail & Sons, 211/17, Nagdevi St., Jamal Bldg., Bombay.
K. N. Ajani, 102, Swadeshi Market, Bombay.
Mathews & Co., 58/2, Medows St., Bombay.
Mahomedally Abdulally, 93, Bhusar Mohalla, Sarang St., Bombay.
Pratap Industrial Works, Gaiwadi, Girgaum, Bombay. (Blade).

Start a New Industry! Read MANUFACTURE OF RUBBER GOODS, Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Punjabi Baderbakhs Md Hossein, Namma Bazar, Bombay No 3
Sanghani & Co, 178/180, Abdul Rehman Street, Bombay No 3
Usman Ahmed Hamidani New Cutlery Market, Jumma Musjid, Bombay 2 (Also Fish Hooks)

BOMBAY PRESIDENCY.

L M Marwadi, Ratanpole Naka, Ahmedabad
Narshibhai Shankeerbhai & Co, Near Swami Narayan Temple, Nadiad, Kaira.
Novelty Mart Richey Road, Ahmedabad
Penkar Cutlery Co, Pen, Kolaba
Popatlal Ganesh, Kapadwanj, Kaira

CALCUTTA.

Bengal Cutleries, 151, Harrison Road, Calcutta
Bengal Stores Ltd, 8-A, Chowringhee Place, Calcutta. M./A Birla Bros. Ltd.
Mazumdar & Co 113, Manohar Das Chowk Barabazar, Calcutta
Pioneer Cutlery Works, 6A, Belgachia Road Calcutta
Ratilal Kastur Chand 27, Old China Bazar St, Calcutta
S W Harri Prosad, B-23 24, New Market, Calcutta

DELHI.

Prabhu Dayal Jain & Co, Dariba Kalan Delhi

INDIAN STATES.

A M Alibhoy, Bhora Bazar, Neemuch, Cantt Gwalior
Gani Haji Khamisa, Junagadh, Kathiawar
J Mackanji & Sons, Junagadh, Kathiawar

MADRAS PRESIDENCY.

Haji Suleman Shet Mangalore, S Kanara
Metal Industries Ltd. Shoranur, Malabar
P Cunji Mossa & Sons, Tellicherry

MERWARA.

Shyam Sunder & Co. Moti Katra Ajmer

PUNJAB.

D R Puri & Son, Gujrat, Punjab
Imperial Cutlery Works, Wazirabad
Indian Cutlery Works, Wazirabad
Karim Baksh & Sons, Nizamabad, via Wazirabad
Krishna Cutlery Works, Gujranwala
Metal Works, Kothi Laharan, East Sialkot
Nishat Cutlery Works S M Ibrahim & Co, Wazirabad
Raja Industrial Works, Wazirabad, Gujranwala
S M Ibrahim & Co Wazirabad

UNITED PROVINCES

Asha Ram Sharma & Co Mendu, Aligarh, Via Hathras Junc
Diamond Scissors Co Meerut
K C Goswami, Sasni, Aligarh
K Chandra Gupta, Lala Ka Bazar Meerut
M Yusuf & Co, Bazar Peramal, Meerut
R C Sharma & Co, Knife Works, 5E Chandra Buildings, P O Mendu Via Hathras Junc
Shaw & Company, Meerut City
Swadeshi Vastu Karyalava Hathras

CYCLE & CYCLE ACCESSORIES DEALERS.

BIHAR.

Bihar Cycle Works Bankipore
Friends & Co, P O Rusera, Darbhangha
Khana & Co Sitamarhi, Muzaffarpur.
Lahiri & Co, Near Station, Patna
National Trading Co. Muradpur, Patna
Patna Cycle Works, Patna
Provincial Cycle Co. Saravagunj, Muzaffarpur.

BOMBAY CITY.

Bombay Cycle & Motor Agency, Ltd, 16 New Queen's Rd, Bombay
M K Chhibber & Sons, Play House Corner of Grand Road, Bombay
N D Patel & Co, 180-82 Princess St, Bombay
Phirozsha & Sons, Opp Kalbadevi P O, Bombay
Wellington Cycle & Motor Co. 313, Hornby Road, Bombay

Start a New Industry! Read MANUFACTURE OF RUBBER GOODS. Re 1-8. Industry Book Dept., Shambazar, Calcutta.

BOMBAY PRESIDENCY.

B. C. Baby & Co., Richev Road, Ahmedabad.
Jamdade & Co., 433, Budhwar Peth, Poona No. 2.
Laxman Balvant & Co., Budhwar Peth, Poona 2.

CALCUTTA.

Bentinck Cycle Co., 1/2, Chowringhee Road, East, Calcutta.
Bimal Bros., 1-B. Chowringhee Rd., Calcutta.
Calcutta Cycle Importing Co., 12, Lal Bazar Str., Calcutta.
Calcutta Cycle & Motor Co., Mercantile Buildings, 12, Lal Bazar Street, Calcutta.
Central India Machine Co., 53, Bentinck Str., Calcutta.
Crescent Cycle & Motor Co., 158-C, Dhurrumtolla Str., Cal.
Cycle Traders Emporium, 173-1, Dharamtala St., Calcutta.
D. Das & Brothers. 61. Bentinck Str., Calcutta.
Globe Cycle & Motor Co., 83, Dhurrumtolla Str., Cal.
Great Eastern Stores, 54, Bentinck Str., Calcutta.
H. D. Nundy & Co., 50-5/6/7, Dharamtala St., Calcutta.
Hashabi & Co., 87, Wellesley Str., Calcutta.
International Engineering Co., 17, Wellington Str., Calcutta.
Joseph Herberts & Co., 61, Bentinck Str., Calcutta.
M. M. Ghosh & Bros., 55, Bentinck Str., Calcutta.
Mullick Bros., 182, Dhurrumtolla St., Calcutta.
National Cycle & Motor Co., 1B, 1C, Bentinck Street, Calcutta.
New English Cycle Stores, 54, Bentinck Street, Calcutta.
Nibaran Chandra Seth & Co., 59, Bentinck St., Calcutta.
Pioneer Cycle Co., 60, Bentinck St., Calcutta.
Rela Cycle Works, 2A & B, Bentinck Str., Mercantile Bldgs., Cal.
S. N. Bhattacharjee, 5, Dharamtala St., Calcutta.
S. R. Brothers & Co., 90/6A, Harrison Road, Cal.
Sen & Pandit, Mercantile Bldgs., Lal Bazar St., Calcutta.

CENTRAL INDIA.

F. B. Mody's Cycle Mart, Main Street, Mhow.

CENTRAL PROVINCES.

Badri Prashad Agarwal, Kathi, Jubbulpore.
Bhawani Prasad Jaiswal, Damoh.
Central India Machine Co., Omti Bridge, Jubbulpore.
Kajjuram, Chotta Bazar, Ellichpur Camp, Amraoti.
Narayan Prashad Sunder Lal, Katni, Jubbulpore.
Onkar Jodharaj, Chotta Bazar, Ellichpur Camp, Amraoti.
P. M. Shah & Co., Bazar, Akola.

DELHI.

B. N. Kumar & Co., Opposite Baptist Church, Chandni Chowk, Delhi.
East and West Trading Co., Nai Sarak, Delhi.
Ghulam Qadir and Sons, Chandni Chowk. Delhi.
Imperial Cycle & Motor Co., Kashmere Gate, Delhi.
Kalaso & Co., Chandni Chowk, Delhi.
N. M. Kishen & Co., Jumma Masjid, Delhi.
P. D. Kalaso & Co., Delhi.
Paramanand Hem Chand, Jumma Masjid, Delhi.

INDIAN STATES.

A. T. Ram & Sons, Mysore.
Abbasally Adamjee, Bhora Bazar, Neemuch Camp, Gwalior.
Bangalore Motor & Cycle Co., Bridge Road, Bangalore.
Bombay Cycle Trading Co., Bangalore City.
Chater Sain, Near Post Office, Bharatpur State.
Damian & Co., Opp. P.O. Hyderabad, Deccan.
Devi Dass Topen Dass, Bhabran Bazar, Bahawalpur.
Girraj Pershad, Near Post Office, Bharatpur State.
H. Harakchand Bapnah & Co., Avenue Rd., Kolar, Mysore.
M. J. Walsalam & Co., Main Rd., Trivandrum, Travancore.

New careers await you! Read MECHANICAL INDUSTRIES, Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Madras Cycle and Motor Mart, 31, James Street, Secunderabad, Deccan.
New Age Cycle Agency, Siyaganj, Maharani Road, Indore City.
R. B. Awasthi & Bros., Satna, Rewa State.
Raja Cycle & Motor Works, Sri-Narasimharaja Road, Bangalore City.
Sasam Alimamod Giga, Junagadh, Kathiawar.
Sinha & Sons, 26, Goura Kund, Indore City.
Sivaji Automobile Works, Sree Krishna Bldgs, Malleswaram, Bangalore.
Travancore Cycle & Motor Co., Main Road, Puthanchanthai, Trivandrum, Travancore.

KARACHI.

Alibhoy & Co., Frere Street, Karachi.
Allies Automobile Agency, Preedy Road, Karachi.
Crown Cycle & Motor Co., Garden Road, Karachi.
Iankidas & Co., Elphinstone St., Karachi.
Karachi Cycle and Motor Co., Elphinstone St., Karachi.
Naraindas & Co., Garden Road, Karachi.
Royal Cycle and Motor Co, Elphinstone Street, Karachi.
Yusufali & Co., Frere Street, Karachi.

LAHORE.

Hermez & Co., 10, Chamberlain Road, Lahore.
Indian Mfg. Co., P. O. Box 135, Lahore.

MADRAS CITY.

Byramshaw & Co., Ltd, Mount Road, Madras.
English Cycle & Motor Importing Co., 9, Broadway, Madras.
Kathiawar Cycle & Motor Co., 9, Broadway, Madras.
Royal Cycle and Motor Co., 13, Broadway, Madras. (Importers).
Sarada Cycle Stores, 11, Broadway, Madras.
South India Cycle Importing Co., 7B, Broadway, G.T., Madras.
Wilson & Co., 5-8, Jehangir St., Madras.

MADRAS PRESIDENCY.

City Cycle Co., Maidan Road, Mangalore.
E. Modinkhan, Cycle Works, Vizagapatam.
Govindasami Chettiar, Hodgsonpet, Conjeeveram.
K. V. Naidu & Co., Cantt., Trichinopoly.
Krishna Murti Iyer, Town High School Rd., Kumbakonam, S. I.
Modern Cycle Co., Negapatam, Tanjore.
Munusami Sah, Hodgsonpet, Conjeeveram.
New Cycle Emporium, 149, Munro Street, Anantapur.
Rajam & Co., Karnakollai, Agraharam, Kumbakonam, S. I.
Rudrappa Andann, Devangere.
Swami & Co. Variety Hall Road, Coimbatore.

ORISSA.

A. Ramulu, Mandasa, Ganjam.
Bellana Narayana, Baruva, Ganjam.
Friends Cycle Store, Post Office Road, Cuttack.
Hercules Stores, Aksa, Ganjam.
Ramaprasad, Mandasa, Ganjam.

PUNJAB.

Ahluwalia Bros., Court Road, Lyallpur.
Bharat Commercial Co., Rawalpindi Cantt.
Delbagh & Co., Sialkot City.
Dharam Chandra Agarwal & Bros., Karnal.
Gopal Das & Bros., Sargodha.
Kirpa Ram Bros., Rawalpindi.
M. Kolukhan, Rurekhan, Fatchabad, Hissar.
Mughal Cycle Works, Sialkot.
Prakash Cycle Co., Block No. 3, Sargodha City.
Rajpal Trading Co., Rawalpindi.
Ukpari Bros., Lyallpur.

UNITED PROVINCES.

Auto Cycle & Electric Co., Gokal Building, Khatauli, Muzaffarnagar.
Colonelganj Cycle & Motor Agency, 12, Cawnpore Road, Allahabad.

New ...rs await you! Read MECHANICAL INDUSTRIES, Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Dilkusha Cycle & Motor Agency, Sadder Bazar, Lucknow.
H M Shafiq Ellahie Sadar Bazar, Meerut
Kalicharan Trivedi & Sons, Atrauli P O, Pahoo Dt, Rai Bareilly
Midland Ltd, Meston Road, Cawnpore
Oudh Cycle Works, 29, La Touche Road, Lucknow
Popular Cycle & Motor Co, 2, Taj Road, Agra
Portland Cycle Agency, Aminabad Park, Lucknow.
Provincial Cycle & Motor Co, 166, Bridge Street, Meerut
Sheosahai Trivedi & Bros, Meston Road, Cawnpur

DAIRY APPLIANCES DEALERS.

A C Gandhi & Bros, Opp Atta Mills, P O Railwaypura Ahmedabad
Britannia Dairy, 60 Free School St, Calcutta Hd Office—Aligarh (Butter paper, Cream machines)
Dairy Supply Co Ltd, Goa St, Bombay
Delhi Cattle Breeding Farm, Ltd, Lawrence Road Delhi, (Also Agricultural Machineries)
Edward Keventer Ltd, 11/3, Lindsay Street, Calcutta
Imperial Trading Co, 7-10, Elphinstone Circle, Fort, Bombay
M S Vernal & Co, Bharat Insurance Building, Central Avenue (South) Calcutta
R E I Dairy, Dayalbagh, Agra
R N Mehra & Co, Dinapore Cantt
S B Dairy & Co, Dinapur, Patna
Western Creameries, Nadiad, Bombay Presy

DAIRY PRODUCTS DEALERS.

(See also Milk Product Dealers).

ASSAM.

Shillong Dairy Farm Ltd, Shillong

BENGAL.

Rangpur Dairy Farm, Rangpur

BIHAR.

B K & Brothers P O. Kamtaul, Darbhanga
Banga Luxmi Butter Works, P O Kamtaul, Dist Darbhanga
S B Dairy & Co, Dinapore Cantt, Patna (Also Cream Separator, Butter Paper & Butter Colour, etc)

BOMBAY CITY.

Byculla Dairy Farm, Behind Maratha Hospital, 10, Sussex Rd, Parel, Bombay
Imperial Trading Co, 7-10, Elphinstone Circle, Fort, Bombay
Parsee Dairy Farm, Engineer Bldg, Princess Street, Bombay
Polson Mfg Co, 217-219, Frere Road, Fort, Bombay; Br — Calcutta, Madras & Rangoon
Victoria Dairy, Prince's Dock, Bombay
Wilshire Dairy Farm, Clare Bldg, Byculla, Station Rd, Jacob Circle, Bombay.

BOMBAY PRESIDENCY

Alliance Dairy Co, Makeriwad, Raipur, Ahmedabad
Central India Dairy Co, Sarangpur, Dolatkhana, Ahmedabad
Dufferin Dairy Farm, Ahmedabad
Empire Dairy Co., Keshav Building, Khadia, Char Rasta, Ahmedabad
Hygiene Dairy Co, Ahmedabad
Mission Dairy Farm, Mirzapore Road, Ahmedabad
Pioneer Dairy Co, Panjara Pole, Ahmedabad
Reliance Dairy Farm, Ahmedabad (Butter)
Search Light Dairy Farm, Anand, Kaira (Casein)
"Spring Farm" Dairy Co., Raipur, Ahmedabad
Western Creameries, Nadiad, Bombay Presy.

CALCUTTA.

Aligarh West End Dairy, E127-128, New Market, Calcutta Head Office, Aligarh.
Britannia Dairy, 60, Free School St., Calcutta (Also at Aligarh).

There is lot of money in Confectionery making. Read MANUFACTURE OF CONFECTIONERY, Re. 1-8. Industry Book Dept.

Bose's Dairy, 137/C, Cornwallis Str, Calcutta
Calcutta Co-operative Milk Supply Co, 219, Bowbazar St, Calcutta
Co-operative Milk Societies Union, 119, Bow Bazar, Str, Calcutta
Edward Keventer, Ltd, 11/3, Lindsay Street, Calcutta
Express Dairy Co, Ltd, 7, Lindsay Str, Calcutta
Lord's Dairy Farm, 46, Dharamtola St, Calcutta
M S Butter Factory, 1 2, Mechua Bazar St, Calcutta
New Calcutta Pure Milk Supply Co, 23 Ezra Street, Calcutta
Paul's Dairy 134-2, Cornwallis St, Calcutta
Premier Dairy 38 Delhi Serampore Road Entally, Calcutta

DELHI.

Curzon Dairy Farm, Kashmere Gate, Delhi, Lower Bazar, Simla

INDIAN STATES

Haji Wali Noor Mohamed, Kadur, Mysore
Raja Ram Dairy Farm, Bilaoli Tank Indore
Royankere Dairy Farm, Mysore

KARACHI

George Dairy, Elphinstone St, Karachi

MADRAS CITY.

G R Tiruvengadam Chetty & Co 125 Andiappa Naick Street, Madras
Konar Dairy, Wallajah Road, Madras
M Sons Dairy & Bakery, Madras

MADRAS PRESIDENCY.

Ch Kutumbiah & Bros, Veearanki Lock, Kistna
Imperial Dairy Farms, Bangalore, Wellington, Nilgiris

PUNJAB.

Coleyana Estate Ltd, Coleyana, Near Okara, Punjab (Horse Breeding)
Dalhousie Dairy, Municipal Market, Simla
Government Dairy Farm, Rawalpindi
Imperial Cattle Breeding Farm, Karnal
Military Dairy, Sialkot
Simla Dairy, Lower Bazar, Simla
Union Dairy, Lower Bazar, Simla

UNITED PROVINCES.

Chowkoore Dairy Farm, P O Chowkoore Almora
Diamond Dairy Co, Cantt Road, Lucknow
Edw Keventer Ltd, Dairy Farm P O, Aligarh, U P Branches — Calcutta, Darjeeling, Rangoon, Ranchi, Delhi, New Delhi, Simla, Lahore, Karachi & Bombay
Prince Butter Dairy, Civil Lines Moradabad
R. E. I. Dairy, Dayal Bagh, Agra
Ram Dayal Har Bilas, 133, Katra, Allahabad
Upper India Dairies, Regd, Begam Bridge, Meerut U P

DENTAL CLINICS.

Ashby & Co, 14, College St, Cal
Associated Dental and Medical Supply Co, 9/3, Chowringhee, Calcutta
Atlas Dental Supply Co, Karmon Deorhi Amritsar
C Gibson, 12, Kennet's Lane, Egmore
City Dental Co 159, Broadway, Madras
G K Sawday, E D F, (Paris), 5, Lindsay Street, Calcutta
J. H Drinkall, 59, Phayre St, Rangoon
K Bhattacherjee, D E V, 11, Esplanade East, Calcutta.
K Macdonald & Son Fountain Road, Delhi
Laha & Sons, 52 College St, Cal
Madras Dental College, 285, China Bazar Rd, Madras
Parsi Dental Clinic, 275/5, Bow Bazar Street, Calcutta.
R Ahmed, 12/1, Esplanade East, Calcutta
Scientific Dental Clinic, The Poplars, Nainital, U P.
Smith Bros, Ltd, 9, Chowringhee Road, Calcutta
Standard Dental Works, 127, Broadway, Madras

There is lot of money in Confectionery making. Read MANUFACTURE OF CONFECTIONERY, Re 1-8. Industry Book Dept.

DIAMONDS & PRECIOUS STONES MERCHANTS.

BOMBAY CITY.

Bombay Bahrein Pearl Trading Co, Ltd, Times Bldg. Hornby Road, Fort, Bombay

Chunibhai Naginbhai, 134, Shaikh Memon Street, 1st Floor, Bombay 2

Dhamanmal Isardas Pohoomal Bldg, Jackeria Masjid Bombay

Fulchand Kasturchand, 398, Khara Kuva, Shaikh Memon St, Bombay (Pearl)

Maganlal Laherchand, Khara Kuva 109 Shaikh Memon St Bombay (Pearl)

K Mikimoto Bullion Exchange Bldg, Sheikh Memon St, Bombay (Pearl)

Raichand Motichand & Co 49 59, Mumbadevi Road, Zaveri Bazar, Bombay (Pearl & Stone)

BOMBAY PRESIDENCY.

R M Patel Dharmaj, via Anand

CALCUTTA.

Bengal Stores Ltd, 8-A, Chowringhee Place, Calcutta. M/A. Birla Bros Ltd

Benod Behari Dutt, Mercantile Bldgs, Bentinck St Calcutta

Tarachand Pursram, A 19 Sir Stuart Hogg Market, Calcutta

Thakorlal Hiralal & Co., 9, Dalhousie Sq Calcutta

MADRAS CITY

Artificial Diamond & Co, 97, Mint Street, Sowcarpet, Madras.

Chhotalal Bhagwandas & Co 195, China Bazar Street, Madras

Mansookhlal Dolatchand & Co, 439, Mint Street, Madras

Surajmall Lallubhai & Co Esplanade, Madras, 14 Mogul Road Rangoon

T Balakrishna Mehta & Sons, 453 Mint St, Park Town Madras

Veccumsee Chabildass & Sons, 112, Chinabazar Rd, Madras

MADRAS PRESIDENCY.

N Gopaldas & Co, No 1, China kadai Street, Teppakulam Post. Trichinopoly

RANGOON

P Orr & Sons Ltd Phayre Str, Rangoon

UNITED PROVINCES

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Bengal Stores Ltd., 8-A, Chowringhee Place, Calcutta M./A. Birla Bros Ltd.

Bharat Industries Corporation Ld, 88 Sambhu Halder Lane, Salkia, Howrah

Calcutta Paint, Colour & Varnish Works 14 Kaibartapara Le. Cal

Ch R Raghubir Singh Saine & Co, Bharat Bldg, Pul Mithai,

Chemical Products Ltd., Behala. Calcutta.

Delhi (Bharat Brand Phenyle)

Chlorogen Co, Pohumal Bldg., Carnat Road, Mandvi, Bombay

Death Bell Chemical Works, 25, Belvedere Road, Alipur, Cal (Also insecticides)

Eastern Chemical Works 25 Rani Branch Rd, P O Cossipore, Cal

Ewing & Co P O Box 73, Cal

Health Protection Society 80, Garpar Rd Cal (Pastilles)

Indian Leather Factory, Tapri, Saharanpur

International Mfg Co 35 Ezra St, Calcutta (Insecticide)

Ivan Jones Ltd, 8 Dalhousie Sq, Calcutta

Jallo Rosin Factory, The Mall, Lahore

John Paterson & Co, (India) Ltd, Clensel Works Foreshore Road Shibpur, Howrah

Kwonghee Loong & Co 6, Tiretta Bazar St, Cal (Agts for Chinese pastilles)

L P Winley & Co, (England) Ltd, 7 Council House Str, Cal

Lister Antiseptics & Dressing Co, (1928), Uma Kanta Sen Street Paikpara, Calcutta

Loyal Chemical Industries Ltd, 155, Cornwallis St, Calcutta.

If you want to market Crops, learn Preliminary process from PREPARING CROPS FOR THE MARKET, Re 1-8. Industry Press.

Madoga Mfg Co, 2, Mission Row, Calcutta (Germ Killer).
Metaul & Co, Bareilly
Michael Martin & Co, The Mall, Lahore
Modern Antiseptic Co, 22, Colootola St, Calcutta (Antiseptic)
N Peermahomed, Post Box No 3145, Bombay 3 (Insecticide)
Ram Krishna Chemical Works, 3D, Rani Hemanta Kumari St, Calcutta (Disinfecting Fluid)
S P Khanna & Co, 1698, Peeppal Mahadeo Street Delhi
Sardesai Bros, Bilimora, Surat Agencies at Bombay Ahmedabad, Indore & Baroda
Sarkar Gupta & Co 18, Dum Dum Rd, Calcutta (Electrolytic Chlorine)
Sharika Industrial Works (Regd), Jammu (Tawi), N W Ry
Shree Krishna Industrial Works, Opp Cinema Novelty, Grant Rd, Bombay
Standard Chemical & Pharmaceutical Co, 26, Parel Tank Road, Bombay 2
Standard Paint Works, 10, Beadon Row Calcutta
Tulsidas Bhawanamal & Co., Max Denso Hall, Bunder Road, Karachi
Turner & Co 4, Rose Cottage Lane, Mazagaon, Bombay
Victoria Tar & Antiseptic Works, Charbagh Lucknow
Vishnu Industrial Works, Vishnu Nivas, Ladwada, Baroda
Wilkinson Keywood & Clerk, Sprott Road, Bombay

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Asansol Distillery, Asansol, Burdwan
Central Distillery, Narayanguda Hyderabad City
Coimbatore Distillery, Coimbatore
Cox Distillery, Nowgong, C I
Dr Bose's Laboratory Ltd 53, Raja Dinendra St. Calcutta (Spirit)
Dyer Meakin Breweries Ltd, Solan, Simla Hills
Dyer Meakin (Burma) Ltd, Mandalay, Burma
Eastern Condiment Co, Station Road, Mahim, Bombay
G V. N Distillery, Bellary
Government Central Distillery, Nasik Road, Nasik
Indian Distillery, Anwarganj, Cawnpore
Kangundi Industrial Works, Kuppam, Dist Chittoor
Karnal Distilleries, Karnal, Punjab.
Katni Distillery, Katni, C P
Lalpur Distillery Ranchi
Lucknow Distillery, Shah-ji-ka-bagh, Lucknow
Mola Ragamma's Distillery, Tedpatri Anantapur
Murree Brewery Co, Ltd, Rawalpindi
Mysore Govt Central Distillery, Bangalore
Punjab Sugar Works and Patent Carbonic Gas Co, Ltd, P O Sujanpur, Dt Gurdaspur, (Punjab)
Russa Distillery, Tollygunge, 24-Parganas
Tulsidas Bhawanamal & Co, Max Denso Hall, Bunder Road, Karachi. (Methylated Spirit).
United Breweries, Ltd, Rose & Crown Breweries, Kaity, Nilgiris, Bangalore, Mysore
Vizagapatam Distillery, Vizagapatam

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Essar Dass & Sons, Bruce Road, Quetta

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Bengal Stores, 8A, Chowringhee Place, Calcutta.
Drapery Stores, G. 13-14, Municipal Market, Calcutta.
K. L. Dutt & Co, 80, Cornwallis Street, Calcutta.
Kamalalaya, College St. Market, Calcutta.
Radhika Prosad Dutt & Co., 28, Chandney Chowk, Calcutta.
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Subid Ali & Bros., Subid Ali Bldgs, Dharamtala St., Calcutta.
Wachel Molla & Co., 8, Dharamtalla Street, Calcutta.

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Hasham & Co., South Parade, Bangalore.
Hindustan American Co., Kapurthala.
Tapulal Manulal & Bros., Kola Khadi, Baroda.

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Eastern Drapery House, Elphinstone St., Karachi.
Sind Stores, Near Capital Cinema, Karachi.

MADRAS CITY.

Chellaram Gianchand, Wallaja Road, Madras.
Krishna & Co., 216, China Bazar Street, E. Madras.
M. C. Karim Co., 81, Iya Mudaly St., Chintadripet, Madras.
M. V. Cunnia Chetty & Co., Esplanade, Madras.

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NEPAL.

Kosha Raj D. L. Sharma & Co., 108, Indra Chowk, Nepal.

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Aziz Rahman Khwaja, Ludhiana.
Calcutta House, Sargodha.
Devichands, Rawalpindi.
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H. L. Seth & Sons, Wazirali Bldgs., Ferozepore.
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Jawahar Singh Kirpanwala, Mai Sewan Bazar, Amritsar.
Lajja Ram Pulchand, Karnal, Punjab.
Lokenath & Co., Mall Road, Simla.
M. A. Taj & Co., Mumtaz Mahal, Taj Ganj St., Ludhiana.
M. Mohd. Hossain & Mohd Jufail, Dharmsala, Kangra, Punjab.
M. Zaman & Co., Ludhiana.
Punjab Genl. Mfg. Co., Whiteganj, Ludhiana.
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J. Sur & Co., 104, Radha Bazar Str., Calcutta.
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National Chemical Industries, 135, Canning St., Calcutta.
National Dyestuffs Trading Co., 42, Armenian Street, Calcutta.
Seth Colour & Chemical Works, Ltd., 3, Armenian St., Calcutta.
Shaw Wallace & Co., Ltd., 4, Bankshall St., Calcutta.
Srikishandas Jethmal, 8, Armenian street, Calcutta.
Udaychand Sukhlal, 1, Armenian Str., Calcutta.
Valabhji Vanmali, 22, Armenian Street, Calcutta.

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Ambaprasad Jadavji & Co., Tobacco Katra, Delhi.
Bhagwan Lall & Co., Tobacco Katra, Delhi.
Dadajee Dhakee & Co., Tobacco Katra, Delhi.
Delhi Colour & General Works, Ltd., Subzi Mandi, Delhi.
Haji Ahmed Said, Kucha Mir Ashaq., Delhi.
Kishan Dass, Tobacco Katra, Delhi.
Radha Kishen & Co., Tobacco Katra, Delhi.
Shiv Chand Jetha Lal & Co., Tobacco Katra, Delhi.

INDIAN STATES.

Har Bux Johari Lal, Near Post Office, Bharatpur City.
Thamby Adima & Sons, Palace Road, Cochin.

KARACHI.

Abdul Hussein Karimji, Marvi Old Market, Karachi.
Alibhoy Jewanji & Sons, Serai Road, Karachi.

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C. V. Nayak & Co., Ganapathi Temple St., Mangalore.
Kotayya & Sons, Vutukuri, Chirala, Guntur.
Mohomedally Abdoolabhoy, Main Road, Shevapet, Salem.
V. K. M. Subbaiver & Bros., Palace Road, Madura.

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Cawnpore Colour Co., Old Generalganj, Cawnpore.
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BENGAL.

Angus Steam Laundry, Bhadreswar, Chandernagar

BIHAR.

Bharatiya Corporation Ltd, Bhagalpur City

BOMBAY CITY.

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E D Sasoon Turkey Red Dye Works, Dadar, Bombay

Empire Dyeing & Manufacturing Co, Ltd, 12 14, Church Gate St, Fort, Bombay

Hind Dyeing Factory, Cadell Rd, Old Parbhadevi, Dadar, Bombay

Indian Bleaching, Dyeing & Printing Works Ltd, 29, Rustom Bldg, Churchgate St, Fort, Bombay

Indo African Dye Works, 50, Elphinstone Road, Bombay (Dyeing)

Jamnadas Dyeing & Bleaching Mills, Globe Mills Lane, DeLisle Road Bombay

BOMBAY PRESIDENCY.

Pioneer Dyeing House, Poona

CALCUTTA.

Bengal Steam Laundry Co, Ltd, Ritchie Rd, Ballygunge, Cal

Calcutta Dyeing & Cleaning Co, 38, Wellington St, Calcutta

French Laundry Ltd, 57F, Free School St, Calcutta

CENTRAL PROVINCES.

Empress Mills Dye & Bleach Works, Nagpur

INDIAN STATES.

Petlad, Turkey Red Dyeing Factory, Petlad, Baroda

Purushottam Dyeing & Weaving Works, Baroda

Rangrej Fateh Md Phool Mohamed, Teja Chawk, Beawar, (Rajputana)

Sanyappa's Dyeing Factory, Mandya, Mysore

KARACHI.

Empire Dyeing and Dry Cleaning Works, Bunder Road, Karachi.

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Krishna Dye Works, Coimbatore.

S S Swadeshi Textile Colour Works, Gollapalem, Drakshara-mam P O, Dist E Godavari

Salem Dye Works Syndicate Ltd, Salem

Scientific Dye Works, Ganapathy Temple Sq, Mangalore

PUNJAB.

Abdul Aziz & Son, The Mall, Simla

French Dyeing & Cleaning House, Mall Rd, Simla

Pt Manohar Sharma, Samloti, Kangra

UNITED PROVINCES.

Shambhu Mills Laundry, Steam Laundry, Muzaffarnagore, U P.

Willow Bark Dyeing & Mfg Co, 14-34, Civil Lines, Cawnpore

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Bijlee Products, Post Box 4516, Bombay 8

Hindusthan Electric Lamp Works Ltd, Agra

India Electric Lamp Manufacturing Co, 12, Dalhousie Square, Calcutta

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BENGAL.

Bhubaneswar Electric Co., 22, Grand Trunk Rd., South, Shibpur, Howrah.
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Howrah Casing & Capping Mfg. Co., 254/2, Panchanantollah Rd., Howrah.

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Eastern Electric & Engineering Co., Hornby Rd., Fort, Bombay.
Eastern Electric & Trading Co., 173, Hornby Rd., Fort, Bombay.
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Industrial Electrical Engineering Co., 10, Humam Str., Fort, Bombay.
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John Fleming & Co. Ltd., Bastian Road, Bombay.
K. L. Mehta & Co., 35, Bhangwadi, Kalbadevi Road, Bombay No. 2.
Malik Electric Works, 24, Mangalore Street, Bombay.
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Auto Storage Battery Co, 36, Dharamtalla Str, Calcutta
B M Singh & Son, 43, Chattawalla Galli, Calcutta
Baidya Nath Electric Co, 1, Narayan Prasad Babu Lane, Cal
Bengal Electric Stores Supply Co, 22, Ezra Street, Calcutta
Bengal Stores Ltd., 8-A, Chowringhee Place, Calcutta M./A. Birla Bros Ltd
Bikaner Electric Stores, 32, Ezra Street, Calcutta
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British Insulated Cables Ltd, 2, Waterloo Street Calcutta
C. A Parsons & Co, Ltd, 12, Mission Row, Calcutta
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Clyde Electric Stores, 21/2, Chowringhee Road, Calcutta
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Electric Trading Co, 54, Ezra St, Calcutta
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Equitable Trading Co, 158-C, Dhurumtola Str, Calcutta
Everest Engineering Co, Ltd, 14, Clive Street, Calcutta
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G D Peters (India) Ltd, 10, Clive St, Calcutta Br Ballard Estate, Bombay
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General Electric Syndicate, 131/C, Cornwallis St Calcutta
George Miller & Co, Ltd, 7, Hastings St, Calcutta
Harland Engineering Co, Ltd, 12, Mission Row, Calcutta
Heatly & Gresham Ltd, 6, Waterloo St, Calcutta, Ballard Estate, Bombay, Lahore and Madras
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Kaycee & Co. Ltd., Bharat Bhawan, Chittaranjan Avenue, Calcutta. (Also Mechanical).
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Lunar Engineering Works, 84A, Clive St., Calcutta.
M. S. Vernal & Co., Bharat Insurance Building, Central Avenue (South), Calcutta.
Nursingsahay Mudangopal (Electric Co.) Ltd., 55/58, Ezra Str., Calcutta.
Oriental Electrical & Engineering Co., 19/C, Bow Bazar St., Cal.
P. A. Moon & Co., 52, Ezra Str., P. O. Box 2398, Calcutta.
Philips Electrical Co. (India), Ld., 2, Heysham Rd., Calcutta.
Pioneer Engineering Co., 158, Dhurumtolla Str., Cal.
Roberts McLean & Co., Ltd., 101, Clive Street, Calcutta.
S. Chunder & Son, 35, Wellington St., Calcutta.
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Skoda (India) Ltd., 8, Royal Exchange Place, Calcutta.
Standard Telephones & Cables Ltd., 4, Esplanade East, Cal.
Star Electric & Engineering Works, 5, Clive Ghat St., Calcutta. Wks:—43, Dhuramtola St., Calcutta.
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General Electric Co., (India) Ltd., Main Rd., Trivandrum, Travancore.
Indolite Manufacturing Co., Ltd., Near Power House, Bhavnagar, Kathiawar.
Krishna Electric Stores, James St., Secunderabad, Deccan.
Mehta Electric Stores, Jamnagar, Kathiawar.
Mohd. Osman Bros., Residency Rd., Hyderabad, Deccan.
Mooneswamy Raju Studio, 34, Dickinson Rd., Bangalore.
Shahbir & Co., Residency Rd., Hyderabad, Deccan.
Shanker Electric Stores, James St., Secunderabad, Deccan.
Sri Sarada Electric Stores, Avenue Rd., Bangalore City.
Trivandrum Electric Co., Chalai, Trivandrum, Travancore.

KARACHI.

B. R. Herman & Mohatha Ltd., McLeod Rd., Karachi.
Electrical & Building Material Stores, Kutchery Rd., Karachi.
General Electric Trading Co., Bunder Rd., Karachi.
J. Manikarai & Sons, Elphinstone St., Karachi.
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J. S. Thakara, Anarkali, Lahore.

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Associated Electrical Industries (India), Ltd., Armenian St., Madras. Br: Calcutta, Bombay, and Coimbatore.

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Brain & Co, Ludhiana
Dinanath Kalrah, Nath-Nivas, Kalsey, Montgomery.
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Miscellany Engineering Works, 91 Baradeo, Benares City
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Dacca Electric Supply Co, Ltd, M/A Octavius Steel & Co, 14, Old Court House Str, Calcutta
Dishergarh Power Supply Co, Ltd, Chinacuri Asansol
Electric Supply Co of Burdwan Ltd, Burdwan
Jalpaiguri Electric Supply Co, Ltd, Mg Agents, Indo-Swiss Trading Co, Ltd, H O 2, Church Lane, Calcutta Local Office Jalpaiguri
Mymensingh Electric Supply Co, Mymensingh
Rangpur Electric Supply Co, Rangpur
Pabna Electric Supply Co, Pabna
Serajgunge Electric Supply Co, Serajgunge, Pabna

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Bombay Suburban Electric Supply Ltd, M/A Killick Nixon & Co, Home Street Fort Bombay

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Myingyan Electric Lighting Supply Co, Ltd Myingyan, Burma

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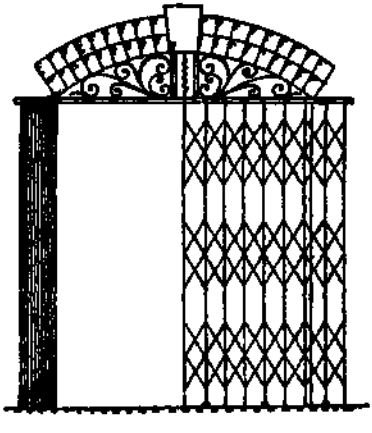

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Normans Ross & Co, 7, Royal Exchange Place, Calcutta

Ochhavlal Mathuradas, 14, Ezra St, Calcutta

KARACHI.

Couper & Young Dunolly Rd, Karachi

MADRAS CITY.

Huson Tow & Co, Chartered Bank Bldgs, George Town, Madras

RANGOON

Mackness & Co, Y M C A Bldgs, 296, Dalhousie Street, Rangoon

Morrison & Co, Sooniram Bldgs, 17, Strand Rd, Rangoon

FANCY GOODS DEALERS.

BENGAL

Home De Industries, P O Chanditola, Hooghly (Horn, Ivory, Bakelite, Vulcanite & Metal)

BOMBAY CITY

Beaux Products (India) Agencies, Opp G P O, Kothari Mansion, Bombay 1

Hajee Janmahomed Latiff, 299, Abdul Hehman St, Bombay

Haji Moosa Ismail & Sons, 211/17, Nagdevi St., Jamal Bldg., Bombay.

BURMA

Burma Trading Agency, Yamethin, Burma Br Rangoon and Mandalay

CALCUTTA.

Bengal Stores Ltd, 8-A, Chowringhee Place, Calcutta. M/A Birla Bros. Ltd

Burma Stores 12, Rani Sankari Lane, Kalighat, Calcutta

Calcutta Envelope Manufacturing Co, 1, Lyons Range, Calcutta

Calcutta Stationery Hall, 91/2, Radha Bazar Street, Calcutta

D Popatlal & Co 71, Canning St, Calcutta

Ghosh & Son, 62/7, Mirzapur St., Calcutta.

Herain & Co 21/1, Creek Row, P O Box 641, Calcutta

K B Laha & Sons, 23, Bechu Chatterjee St, Calcutta

S W Hari Prasad, B-24 New Market, Calcutta

Sterling House, 25/1, Radha Bazar Street, Calcutta

DELHI.

Dhoomimal Dharamdas, Chaori Bazar, Delhi

Shahzadroy & Sons, Kashmeri Gate, Delhi

INDIAN STATES.

Onkar Brothers, 1st Bridge, Srinagar, Kashmir

KARACHI.

Bulchand Ramchand, Kundan Bazar City, Karachi

MADRAS CITY

K Alavandra & Co, 295, Esplanade Row Madras

P Simon & Co, 23 & 42, Errabalu Chetty Street, Madras

Padma & Bros, Triplicane, Madras

Periatwar Chetty & Co, Esplanade, Madras

R Singanna Chetty, 284, China Bazar Road, Madras

Serwell Co, Commercial Road, Ootacamund, Nilgiris

PUNJAB

Bharat Fancy Stores, Dera Ghazi Khan, Punjab.

Imperial Stores, Kasur, Punjab

S S Mela Singh & Son, Chowk Baba Atal, Amritsar

UNITED PROVINCES.

Brijmohan Chandra & Bros, Chowk, Benares City, U P

FERTILISER DEALERS.

BIHAR.

Mukherjee & Co, Aghore Bhavan, Bhagalpore

BOMBAY CITY

Croft Mody & Co, Hornby Road, Bombay

Forbes, Forbes Campbell & Co, Home Str, Bombay

CALCUTTA.

Acme Fertiliser Works, "C" Block, Hide Sheds, Kidderpur Docks, Calcutta

FOR NEAT PRINTING WRITE TO INDUSTRY PRESS, SHAMBAZAR, CALCUTTA.

Atlas Fertilisers Ltd., 4, Bankshall St., Calcutta.
Calcutta Bone Mills Co., Ltd., 11-2, Sukea's Lane, Calcutta.
Chingreehatta Bone Mill, 6, Ram Mohan Mullick's Garden Lane, Calcutta.
Ewing & Co., Ltd., 4, Clive Row, Calcutta.
Imperial Chemical Industries (India) Ltd., 18, Strand Rd., Cal. Br: The Mall, Lahore; Armenian Street, Madras.
N. V. Overzeesche Kali Export Maatschappij, 10, Clive Row, Calcutta

INDIAN STATES.

Mysore Fertiliser Company, Chamarajapet, Bangalore City.

MADRAS CITY.

Abbas Hussain & Co., Angappa Naik Street, Madras.

MADRAS PRESIDENCY.

Abdul Salam, Cowl Bazar, Bellary.
Bellary Oblapuram Bone Mill Factory, Cowl Bazar, Bellary.
Bone Crushing Factory, Oblapuram, Bellary.
Bone Mills, Oblapuram, Cowl Bazar, Bellary.
Bone Mills & Manure Works, Feroke, S. Malabar.
Coimbatore Manure Works, Red Fields, Coimbatore.
Indian Fertilisers, Ltd., Trichur, Malabar.
Jules Guerre, Pondicherry.
Kadamboor Bone Mill, Kadamboor, Tinnevelly.
Presidency Manure Works, Feroke, Malabar; Ranipet, North Arcot.
R. Babu Pillai, Valvanur, S. Arcot.
South India Bone Mills, Samalkot, Godavari East.

UNITED PROVINCES.

Ahmad Hussain Abdul Haq., Qureshi Chobdari Chowk, Mohalla, Lucknow. (Bone Mnfrs.).
Shahganj Bone Mills, Agra.

FIRE BRICKS MANUFACTURERS.

BENGAL.

Bengal Fire Brick Works, Kulti, Burdwan.
Burn & Co.'s Lalkoti Silica Works, Raneegunge, Burdwan. Office: 12, Mission Row, Cal.

BIHAR.

Behar Firebricks & Potteries Ltd., P.O. Mugma, Dist. Manbhum. Office: 3/1, Bankshall St., Calcutta.
Gulfibari Fire Brick Works, Gulfibari, Manbhum.
Kumardhubi Fire Clay & Silica Works, Kumardhubi, Manbhum.
Reliance Fire Bricks & Pottery Works, Barakar, Chauk, Manbhum. Office: 8, Clive Row, Calcutta.

BOMBAY CITY

A. C. Bottomley & Co., Bombay.
Industrial Engineering Co., Bombay.

CALCUTTA.

Calcutta Mineral Supply Co., Ltd., 31, Jackson Lane, Calcutta.

FIREWORKS MANUFACTURERS.

Armenian Fire Works, Co., 2, Syed Sally Street, Calcutta.
Divali Fire Works, Konnagar, Hughly.
Imperial Fireworks Co., Opp. Civil Hospital, Northern Gate, Jama Masjid, Delhi.
Jasco Chemicals & Allied Industries Co., 49, Dockyard Road, Bombay.
Khan and Khan, McLeod Road, Karachi.
Kishori Lal, Opposite Civil Hospital, Juma Masjid, Delhi.
Mohamedbhai Abdulhusein & Co., 140-42-44, Juma Masjid, Bombay No. 2.
Orient Fire Works Co., 85-1, Upper Circular Road, Calcutta.
P. Kora Joseph, Ernakulam, Cochin.
T. S. Abdeally & Bros., 3, Bunder Street, Madras.

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FISH MERCHANTS.

ASSAM.

Gharbhuri Shah, Gauripur, Assam.

BENGAL.

Abbas Haji, Goalundo, Faridpur.
Adhir Chandra Sarkar, Dilpashar, Pabna.
B. K. Roy, Chandipur, Kuralgachi, Nadia.
Balaram Halder, Savarampur, Faridpur.
Banamali Sarker, Savarampur, Faridpur.
Bhattoo Ram Das, Pipulia Phulchari, Rangpur.
Bipin Behary Sarkar, Babullota, Arkandi, Faridpur.
Gonesh Chandra Sikdar, Mohanpur, Pabna.
Gour Mohan, Kariali, Maldah.
Great Bengal Fisheries Ltd., 37, Thatari Bazar, Dacca.
Hemanta Kumar Sarkar, Babullota, Arkandi, Faridpur.
Jabra Mohamed Dalal, Tista, Rangpur. (Dry fish).
Kalliyjan Miah, Kathiar, Purnea.
Netai Majhi, Chintarkhory, Bhattaprotap, Khulna.
Pacha Mohammed Dalal, Tista, Rangpur. (Dry fish).
Pulin Chandra Halder, Baliakandi, Faridpur.
Radha Nath Halder, Bongaon, Jessore.
Rajendra Nath Das, Goalundo.
Rajmohan Das, Pipulia Phulchari, Rangpur.
S. C. Mitter, Katihar, Purnea.
Shishu Mahalder, Kariali, Malda.
Sri Charan Biswas, Bhangoora, Patharghata, Pabna.

BOMBAY PRESIDENCY.

Framji Jiwanji, Gootu St., Poona.

CALCUTTA.

Fer-Mers Ltd., 20, Strand Road, Calcutta.
Sanitary Advancement Corporation & Small Industries, 2, Royal Exchange Place, 2nd Floor, Calcutta.

INDIAN STATES.

A Noohu Kanno, Kalkunam, Travancore

KARACHI.

Arabian Sea Fish Supply Co., Napier Road, Karachi. (Also Oysters & preserved Fish).
Karachi Sea Fish Supply Co., Nagar House, Karachi.

MADRAS CITY.

T. S. Abdeally & Bros., 3, Bunder Street, Madras.

MADRAS PRESIDENCY.

Fish Curing Yard Co., Br. Cochin. (Pressed Fish).
Government Fisheries' Cannery. Chalham, Feroke R.S., Balabar.
Government Fisheries Experimental Station, Tanure, Malabar.
Koragappa & Sons, Hoige Bazar, Bolar, Mangalore, S. Kanara.
Megaveera Industrial Works, Hoige Bazar, Mangalore.

ORISSA.

Ekadasi Mallik, Badaga, Bahanga, Balasore.
Sambhu Mallik, Badaga, P.O. Bahanga, Balasore.

FISH OIL MANUFACTURERS.

INDIAN STATES.

Cochin Fisheries, Vypeen, Cochin.

MADRAS CITY.

Fisheries Department, Madras.
Parry & Co., P.O. Box No. 12, Madras.

MADRAS PRESIDENCY.

C. Abdurahiman and Coragappa, Hoige Bazar, Mangalore.
Sardine Manure Fish Guano and Fish Oil Factory, Cannanore.

FLOUR MILLS.

BENGAL.

Empire Flour Mills, Jagat Banerjee Ghat Rd., Shibpore, Howrah.
Hooghly Flour Mills, Forest Rd., Ramkristopur, Howrah. Office, 4, Bankshall St., Calcutta.
Howrah Flour Mills, 35, Ramkristopur Ghat Road, Howrah.
Reform Flour Mills, 142, Foreshore Road, Shibpore, Howrah.
Swadeshi Flour Mills, Faridpur.

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Dinapur Flour & Oil Mills, Dinapore, Patna.
Kohinoor Mills, Gaya
Lakshmi Mills, Muzaffarpur.
Shree Lakshmi Rice & Flour Mills, Dinapore Cantt
Shree Biharji Mills, Patna City.

BOMBAY CITY.

New Union Flour Mills Ltd, 16, Bank Street, Bombay Selling Agt Girdharlal Lohana, 303, Duncan Road, Bombay
Wallace Flour Mills, Co, Ltd, 9, Wallace Street, Fort, Bombay

BOMBAY PRESIDENCY.

B B S Roller Flour Mills, Ahmedabad

BURMA.

Harikrishna Flour Mills, Desboyo Quarter, Mandalay, Burma

CALCUTTA.

Bengal Flour Mills Co, Ltd, 103, Clive Street, Calcutta Mills at Sibpore, Howrah
Calcutta City Flour Mills, 243, Upper Chitpore Rd, Calcutta
Marwari Flour Mills, 244-2, Upper Circular Road, Calcutta
Narikeldanga Roller Flour Mill, 17-4, Canal West Rd, Calcutta
United Flour Mill, 3, Ultadanga Road, Calcutta

DELHI.

Crown Flour Mills (Baijnath Syal, Mg Pro), Dufferin Bridge, Delhi.
Delhi Flour Mills Co, Ltd, 10, Alipur Road, Delhi
Ganesh Flour Mills, Subzimandi, Delhi.
Iswar Flour Mills, Barh Shahbulah, Chowri Bazar, Delhi
Lakshmi Durga Flour Mills, Paharganj, Delhi
Ramkishen Flour Mills, Ajmere Gate, Delhi
Shadi Ram Ram Chand Flour Factory, Delhi
Vishwa-Karma Flour Mills, Delhi

INDIAN STATES.

Flour Mills & Ginning Factory, Jaipur
Gaddigal Murgappa, Rice & Flour Mills & Cloth Merchant, P O Nyamti, Shimoga, Mysore
Gwalior Roller Flour Mills, Mill Road, Gwalior.
Krishna Muruthi Flour Mills, 191, Old Thargupet, Bangalore City
Mallikarjuna Flour and Soap-Nut Powder Mills, Mallesawram, Bangalore
N Gurulingappa, R A Rice & Flour Mills, P O Nyamti, Shimoga, Mysore
Roller Flour Mills, Patiala
Sri Anantha Krishna Flour Mills, Old Thargupet, Bangalore City
Sri Bala Krishna Flour Mills, Old Thargupet, Bangalore City
Srinivas Roller Flour Mills Co, 188, Old Thargupet, Bangalore
Swadeshi Cotton & Flour Mills, Ltd, Indore
Vatsala Flour Mills, West Park Rd, Malleswaram, Bangalore

KARACHI.

India Flour Mill, Karachi
Karachi Steam Roller Flour Mills Co, Ltd, Lawrence Rd, Karachi
Sind Flour Mill Co, Ltd, Dhobi Ghat Road, Garden Quarter, Karachi

LAHORE.

Pioneer Flour Mills, Lahore

ORISSA.

Bhima Ice Factory & Flour Mills, Chauhaguni, Cuttack.

PUNJAB.

Amritsar Imperial Steam Roller, Amritsar
Benarsi Dass Steam Roller Flour Mills, Ambala Cantt
Bhupendra Flour Mills, Bhatinda
Central Flour Mills, Kasur
Dhanpatmal Diwanchand, Lyallpur
Ganesh Flour Mills Co., Ltd Lyallpur
Girdharilal Tara Chand Flour Mills, Fatehabad, Tarn Taran
Jawala Flour Mills Amritsar
Khalsa Flour Mills, Fatehabad Tarn Taran
Krishna Flour Mills Rawalpindi.
L Shadiram Jiwanram, Rice & Flour Mills, Fatehabad, Hissar.
Merchants Mohani Flour Mills, Ltd, Sargodha
Nanak Chand Sain Dass Flour Mills, Gurdaspur

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Premier Flour Mills, Lyallpur
Seth Bhagwandas Chimandass Flour Mills, Sukkur
Seth Sukdev Buksh Flour Mills, Multan
Sutlej Flour Mills, Ferozepur
Thomas Rice & Flour Mills, Multan

RANGOON.

Bombay Burma Flour Mill, 8, St John Road Rangoon
Rangoon Roller Flour Mills, 238 A, Lower Kemmendine Rd, Rangoon

SIND

Century Flour Mills, Shikarpur,
Krishna Flour Mills, Sukkur
Seth Anandmal Bodomal (Electric Engine) Flour Mills, Sukkur
Seth Shewomal Rupomal Flour Mills, Sukkur

UNITED PROVINCES.

Allahabad Milling Co, Ltd, Allahabad
Cawnpore Flour Mills, Cooperganj, Cawnpore
Ganesh Flour Mills, Railganj, Cawnpore
Ganga Flour Mills, Bara Bazar, Naini Tal
Hari Krishandas Steam Roller Flour Mills, Sahranpur
Karoundia Industrial Development Co, Lucknow (Also Ice)
Kishan Flour Mills, Railway Station Rd, Meerut City
Lucknow Flour Mills, Lucknow
Lucknow Steam Flour Mills & Workshop, Lucknow
Sriram Mahadeo Prasad Ginning Roller Flour Mills, Cawnpore
Venkateshwar Flour Mills, Lucknow

FLYING CLUBS.

Aero Club of India and Burma Ltd, Delhi & Simla
Bengal Flying Club Ltd, Dum Dum, Bengal
Bombay Flying Club Ltd, Aerodrome, Juhu, Bombay
C P & Berar Flying Club, Nagpur
Delhi Flying Club Ltd, Delhi
Jodhpur Flying Club Jodhpur
Karachi Aero Club Ltd, Karachi
Kathiawar Flying Club Ltd, Kathiawar
Madras Flying Club Ltd, St Thomas' Mount, Madras
Northern India Flying Club Ltd Lahore
Royal Singapore Flying Club, Tata Sons Ltd, Bombay
U P Flying Club Ltd, Cawnpore and Lucknow

FODDER MERCHANTS.

A C Gandhi & Bros, Opp Atta Mills Railwaypura P O Ahmedabad
A Tholasi & Bros Mount Road, Madras
N Papanna & Bros, Mysore
Universal Crushed Food Co, 257, Upper Chitpur Rd Calcutta
Victoria Fodder Store, Bangalore

FOUNTAIN PEN DEALERS & MANUFACTURERS.

BIHAR

Raghunandan & Co, Hazaribagh

BOMBAY CITY.

S Chandra & Co, 21, Bazar Gate Street, Fort Bombay (Fountain Pen)

BOMBAY PRESIDENCY.

Mehta Bros, Three Gates, Ahmedabad
N H Lakhia & Co, Kshatriya nagar, Ellis Bridge, Ahmedabad

BURMA.

Burma Trading Agency, Yamethin, Burma Agencies—Rangoon & Mandalay

CALCUTTA.

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Chakravarty & Co., 57/1, College Street, Calcutta.
Dhar Bros., 82, Harrison Road, Calcutta.
Enterprising Society, 43/1, Upper Circular Road, Calcutta.
Ever Ready Store, 88-1, Harrison Road, Calcutta.
F. N. Gooptu & Co., Ltd., 12, Beliaghatta Road, Calcutta. (Also Pencil, Nib and Penholder).
G. C. Law & Co., Bharati Works, 63, Radha Bazar St., Calcutta.
J. Mayr, 1, Mission Row, Calcutta.
Nilmoni Datta & Co., 80-3, Harrison Road, Calcutta.
Pioneer Co., 29, Dalhousie Sq., Calcutta.
Sterling House, 25/1, Radha Bazar Street, Calcutta.
Volkart Bros., 11, Clive St., Calcutta (Pelican).

DELHI.

Dhoomimal Dharamdas, Chaori Bazar, Delhi.
Royal Fountain Pen Co., Chandni Chowk, Delhi.
Swiss Watch Co., Chandni Chowk, Fort End, Delhi.
Zangi Pen and Ink Manufacturing Co., 532, Egerton Road, Delhi.

INDIAN STATES.

A. Roy & Co., Opp. Chimnabai Tower, Baroda.

KARACHI.

Hasanand & Co., Bunder Road, Karachi.

MADRAS.

Jalal & Sons, Rattan Bazar, Mount Road, Madras

MADRAS PRESIDENCY.

C. R. Kuppuswamy & Sons, 107/B, Telugu Brahmin St., Coimbatore.
K. V. Ratnam & Bros., Rajahmundry.
Keral Swadeshi Stores, Trichur.

PUNJAB.

A. M. Rasul & Co., Lyallpur.

UNITED PROVINCES.

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Bholanath & Co., 30, Aminabad Park, Lucknow
Fountain Emporium, Moradabad.
Kela Bros., Jaigang, Aligarh.
Luxmi Stylo Pen Works Co., 18, Luchmikund, Benares City.
Model Industries, Dayal Bagh, Agra
National Fountain Pen Works, 32, La Touche Rd., Lucknow.
Swadeshi Fountain Pen Works, Bharat Ashram, Raja Bazar, Lucknow

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ASSAM.

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Dangalpara Orchard, P. O. & Ry. Stn. Bhojo, (Assam).
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Rais Meerza, Kalla Nizamat, Murshidabad. (Mango).
Shahibzada Sayed, Kalla Nizamat, Murshidabad. (Mango).
Sherab Lama & Sons, Darjeeling.
Sudersan Mazumdar, Darjeeling.

BIHAR.

Avatar Nursery, Nayanagar, Rusera, Darbhanga.
Bengal Preserving Co., Muzaffarpur.
Bhattacharji & Son, Deoghar, Santhal Pargs.
Maharaj Garden Nursery, Dhabkothi, Rusera, Darbhanga.
Tirhoot Fresh Fruit Supplying Nursery, Rusera, Darbhanga.

BOMBAY CITY.

Haji A. N. Hussain Rasul & Co., Godown. 3. Crawford Market, Bombay.
Harakchand Shivjee, Kharek Bazar, Mandvi, Bombay.
Ratansi Korji & Co., 339, Old Market, Juma Musjid, Bombay.

BOMBAY PRESIDENCY.

Oriental Cannery Co., Honaver, N. Kanara.

CALCUTTA.

Farm & Fruit Products, Ltd., 10, Ezra Street, Calcutta.
Haji Tilla Mohd. & Bros., Sir Stuart Hogg Market, Calcutta.
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Kale Khan and Sons, Fatehpuri Bazar, Delhi.
Mohd. Ibrahim Mohd. Mustaqin, Subzimandi, Delhi.

INDIAN STATES.

Challona Apple Orchards, Chamba State, Punjab.
East India Export Federation, Srinagar, Kashmir.
G. Venkatakrishnan Naidu, Kadur, Mysore.
K. Abdul Wahab & Bros., Kadur, Mysore State.
Kashmir Fresh & Dry Fruits, Srinagar, Kashmir.
Leading Fruit Co., Srinagar, Kashmir.
Sheer Singh, Char Bag, Bharatpur State.
Venis & Co., Srinagar. (Apples, Walnuts).

LAHORE.

M. Abdul Radman, Jagadhri, Lahore.

MADRAS CITY.

Gokuldass Shivjee & Co., 6A, Govindappa Naicken St, G. T., Madras.

MADRAS PRESIDENCY.

Bhamy Panduranga Shenoy, Cashew Factory, Mangalore.
Kandi Lakshmi Kantham, Ellore, W. Godavary.
Kona Krishna Rao, Narasapatnam Road, Vizag. Dist. (Oranges).
R Vellaye Muthar & Sons, Palghat, Malabar.
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S K Abdul Rahiman Sahib, Salem.
T Muni Reddy & K. Kuppuswami Reddy, High Road, Chittoor. (Mango).
T. Ramiah, Narasingapuram, Chandragiri Post. (Mango).
V. K. Abdul Rahaman Sahib, Kadur. (Mango).
V. Vellayappa Dhargor, Big Bazar, Palghat, Malabar.

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Kirparam Ranjiram, Bannu.
Labhamall Mehr Chand, Havelian, Hazara.
Parmanand Jaikaran, Haripur. Hazara.
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PUNJAB.

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Bundrole Orchards, Kulu, Kangra.
Coleyana Estate Ltd., Okara, Dist. Montgomery.
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Dayalram Roshanlal, Tank, Rawalpindi.
Dobi-kuthai Naggar Estate, P.O., Dobi, Kulu, Kangra.
Dobinagar Orchards, Kulu, Kangra.
Dry Fruit Trading Co., Ganj Bazar, Rawalpindi.
Duff Dunbar Orchards, Kulu, Kangra.
Gurdial Singh Hari Singh, Muzaffargarh.
Hall Estate, Nagar, Kulu.
Harripur Rangri Orchards, P. O. Duff Dunbar, Kulu.
Himalayan Fruit Packers, Old Queen's Road, Amritsar.
Indian Mildura Fruit Farms Ld., Renala Khurd, N. W. Ry. Punjab.
Kailash Trading Co., Amritsar.
M. Ismail, V. Mahalpur, Hosiarpur Dt.
Minnikens Orchands and Tea Estate, P.O. Raisan, Kulu, Kangra.
Mitterchand Lakhmidass, 46-47, Ganj Bazar, Rawalpindi.
Nanak Singh Dyal Singh, Rawalpindi City.
Pathoomall Lilamal, Ganj Bazar, Rawalpindi.
Ramchand Shamdas, Multan.
Seu-Bagh Orchards & Nurserymen, Kulu, Kangra.
Sh. Nizam Din, P.O. Dinanagar, Gurdaspur.
Sunshine Orchards, Kulu, Kangra.

UNITED PROVINCES.

Ghwar Fruit Garden, Rani-Khet, Almora.
Kewal Ram & Sons, Saharanpur.
Mumtaz Hussain & Sons, Ranikhet, Almora.
Sant Singh, Mana Singh, Nazirabad, Lucknow.
Shew Nath, Tarkari Bazar, B. Gunj, Benares.

FURNITURE MAKERS.

AJMER.

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ASSAM.

G. C. Mukherjee & Co., Gauhati.

BENGAL.

Howrah Mechanical Wood Works, 254-2, Panchanantola Road, Howrah.

BIHAR.

Mahadeo Mistry & Son, Mahalla Sultanpur, Dinapore Cantt.
Sree Sadakat Cabinet Works, Patna Gaya Road, Patna.
Standard Furniture House, Govind Mitra Road, P.O., Bankipore, Patna Dt.
Yadava Bros., Navatola, Patna.

BOMBAY CITY.

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John Roberts & Co., Bombay.
Jossab Mahomed, 209, Chakla St., Bombay.
Parekh Wooden Article Works, 66-68, Jambli Mohalla, Bombay.
Rustomji D. Bilimoria, Barbhai Mohulla, Bibijan St., P. O. Mandvi, Bombay.
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BOMBAY PRESIDENCY.

C. S. Suthar & Co., Desavago, Nadiad, Kaira.
Deccan Industrial Union Ltd., Karad, Satara.
Gawarikar Works, Shukrawarpeth, Sholapur. (Iron furniture).
Gokuldas Narayandas, 447, Raviwar Peth, Poona No. 2.
Imperial Fret Works, 68, Budhwarpeth, Poona 2.
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B M Ghosh & Co, 235/2 Bow-Bazar Str, Cal
Bengal Cabinet & Motor Ltd, 46, Bowbazar St, Calcutta
C Lazarus & Co, Ltd, 18, Park St, Calcutta
Calcutta Furniture Manufacturing Co, Ld, 10, Hati Bagan Road, Entally, Calcutta
Calcutta Wood Works, 4, Doctor Jagobandhu Lane, Calcutta,
Canton Carpentry Works, 14, Tangra Road, Calcutta
Chatterjee Furnishing Co, 52, Bowbazar St, Calcutta
Forward Furniture Co, 46/4, 5, 6, & 7, Wellesley St, Calcutta
H Banerjee & Co, 285 2, Bowbazar Str, Calcutta
Hossein Bros, 49 Bowbazar Str, Calcutta
Indian Furnishing House, 295, Bowbazar St, Calcutta
K C Paul & Co, 258/16, Upper Circular Road, Calcutta
K C Roy & Co, 64-1, Bowbazar Str, Calcutta
Lila & Co, 34, Bowbazar Street, Calcutta
Mangal Dass & Co, 55-58, Ezra St, Calcutta
Mansfield & Son's Furniture Works, 16, Tangra Rd, Calcutta
Mart Pukur Works, 48-1, Chingrihata Road, Calcutta
Matilal Banerjee, 127, Bowbazar St, Calcutta
New Exchange House, 303, Bowbazar Str, Calcutta
Office Equipment & Furniture Mfg Co, 15, Canal St, Entally, Calcutta
Prabartak Furnishers, 61, Bow Bazar Street, Calcutta
Renoo & Co, 158, Bow Bazar Street, Calcutta (Office furniture)
Roneo Ltd, 9, Clive St, Calcutta (Office Equipment)
S C Hossein & Co, 45, Bow Bazar Str, Calcutta
Standard Cabinet Co, 62, Bow Bazar Street, Calcutta
Steel Products Ltd, Howrah

CENTRAL PROVINCES.

Haji Fazal & Son, Nagpur
Hari Sing & Co, Gunjipura Jubbulpore
Jackson's Furniture Mart, Jubbulpore
S R & Jiwan Bros, Ganjipura, Jubbulpore

DELHI.

Bombay Swadeshi Iron & Brass Furniture Works, Qutab Road, Delhi
Furniture Service Coy, Kashmere Gate, Delhi
Hayat Mohd & Bros, Connaught Place, New Delhi
L Gopinath, Kashmere Gate, Delhi
Porbandar Manufacturing Co, Ltd, Roshanara Rd, Delhi
Umar Furniture House, Dufferin Bridge, Delhi

INDIAN STATES.

Achma Peter & Co, Muvatupuzha, P O Travancore
Bombay House, 3, South Parade, Bangalore
Chitragar Lakshmian and Sons, Cabinet Works, Chamarajpet, Bangalore, Mysore
Ibrahim & Sons, Kaisergunj, Ajmer
Industrial Works, Chowkri Ghat Gate, Jaipur City
Methodist Mission Workshops, Tumkur, Mysore State
Mysore Arts & Wood Works, Opp Lal Bagh, Bangalore
Puri & Sons, Bahawalpur State
V Venkatagiri, Chickapet Bangalore

KARACHI.

Alex Bros, Inverarity Road, Karachi
Anandji Damji, Elphinstone St., Karachi
Hajee Joonus & Co. Somerset Street, Karachi
Victoria Furniture Mart, Camp, Karachi

LAHORE.

M Ahmad Din, Outside Taxali Gate Lahore (Motor & Tanga Hood Sticks)

Let me Distribute Your Circulars throughout India, Burma & Ceylon at Wonderfully cheap cost. Trials Free. B. Dutt, Circular Mailer, Gauhati.

M. Hayat & Sons, 8, Hall Road, Lahore.

MADRAS CITY.

Anjuman School, Mount Road. Madras.
Bombay Furniture Mart, 30, Mount Road, Madras.
Curzon & Co., Mount Road. Madras.
John W. Roberts, Mount Road, Madras.
Pearl Son & Co., Stringer's St., Madras.
Spencer's Furniture Factory, Mount Road, Madras.
Standard Furniture Co., Ltd., General Patter's Rd., Mount Road, Madras.
V R Kamath & Co., Bharat Bldgs., 1/8. Mount Road. Madras.
V. Rangaswamy Naidu & Brother, 4/25, Rattanbazar Rd., P. T., Madras.

MADRAS PRESIDENCY.

Calicut Furniture Co., Calicut
Kohinoor Saw Mill Co., Ltd., Baliapatam, N. Malabar.
Lakshmi & Co., Narasarowpet, Guntur.
Mangalore Furniture Mart, Gollkatta, Mangalore, S. Kanara.
St. Joseph's Asylum, Industrial School & Workshops, P. O. Kankanady, South Kanara.
St. Joseph Industrial School, Coimbatore
Standard Furniture Co., Ld., Kallai, Malabar.
Vijaya Furniture Works, Bezwada, Kistna.

MERWARA.

Heera Lal Rajmull & Son, 180-182, Main Street, Nasirabad, Ajmer.
Ibrahim & Sons, Kaiserguij, Ajmer.
Ram Chandra & Sons. Nasirabad. Ajmer.

PUNJAB.

B. John Mohd., Guirat, Punjab.
Hajee Imam Deen & Sons, Gujrat.
Kundan Wood Factory, Ludhiana.
M Hayat & Bros., Gujrat, Punjab.
M. Joseph & Co., Ludhiana.
M. R Sloran & Sons. Kartarpur, Jullundur Dt.
M. Samuel & Co., Ludhiana.

RANGOON.

U Hajee Ahmed & Co., Ltd., 93, Tseekai Mg, Taulay Street. Rangoon.

UNITED PROVINCES.

Bhupat Lal & Mattu Mal, 8, South Road, Allahabad.
Kalluram Sitaram, Rohli Tola. Old City, Bareilly.
National Friends Union. Rekabganj Road, Fyzabad.
New Furniture Mart, Mall Road, Cawnpore.
Nooruddin & Sons, 178. Sudder St., Meerut.
P N Ansi & Co., Rajpore Road, Dehra Dun.

GALVANISED & CORRUGATED SHEETS DEALERS.

ASSAM.

Gour Prosad Roy & Son, Ajmiriganj, Sylhet, Sunamganj & Shaestaganj, Chittagong.
Nabin Ch. Kailash Ch. Roy, P.O., Ajmiriganj, Sylhet.

BENGAL.

Aditya Kumar Biswas. Tarail, Faridpur.
Anantalal Dey, Bhabaranjan Dev, Bolpur, Birbhum.
Anath Bandhu Goswami, Baharpur.
Atul Krishna Jatindranath Saha, Satbaria, Pabna.
B. Chakraverty, Brahmanbaria, Tipperah.
Behari Lall De, Mati Lall De, Raniganj, Burdwan.
Bejoy Krishna Dutta Co., Santipur, Nadia.
Bipin Behari Rakshit, Baghnan, Howrah.
Chandra Kumar Indra Kumar Saha, Talma, Faridpur.
Dasarath Shaha & Saratchandra Shaha, Bansibazar, Dacca.
Ganganarain Ramsundar Karmakar, Durgapur, Burdwan.
Hara Kumar Shaha, P.O. Bhanga, Faridpur.
Hare Krishna, Gour Chandra Saha, Janakinath Gopinath Saha, Haldia, Dacca.

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Hayatulla Sarcar, Mulladanga, Murshidabad.
Hira Lal Dass, Alamdanga, Nadia.
Hiralal Dass, Chinsura, Hooghli.
Hriday Kristo, Gour Chandra, Sreenath Saha, Haldia, Dacca.
Jagannath Dutt, Ghatal, Midnapur.
Jaggeswar Sarveswar Poddar, Jhitka, Dacca.
Janaki Nath Paul, Pabna.
Janardhan Bisseswar Kundu, Ranaghat, Nadia.
Jatindra Nath Guin, Ghatal, Midnapur.
Kashi Nath Laha, Ranigunj, Burdwan.
Lalit Mohan Duvey, Arani, Rajshahi.
Mahadeb, Promotha Nath Dutt, Magura, Jessore.
Mahim Chandra Kundu & Bros., Atrai, Rajshahi.
Md. Ebrahim Miya, Kharagpur, Midnapur.
Nagendra Nath Dutt, Bardal, Khulna.
Panchanan Prasanna Kumar Saha, Rajarhat, Barisal.
Panchanan Roy, Basundhia, Jessore.
Parimohan Banik, Monomohan Banik, Bajitpur, Mymensingh.
Prahlad Chandra, Purna Ch. Saha, Goalundo, Faridpur.
Prohlad Chandra Akshya Kumar Saha, Binodepur, Jessore.
Pulin Behari Dutt, Damukdia, Rajshahi.
Radha Banshi Gangacharan Nahar, Kurbaniganj, Chittagong.
Rajani Kanto Raj Mohan Kavirai, Morrellganj, P.O., Khulna.
Ramnath Baikuntanath Bonik, Bajitpur, Katiadi, Mymensingh.
Ramsundar Shaha, Natore, Rajshahi.
Rash Behari Dutt, Tarak Shankar Karfa, Champadanga, Hooghli.
Rasik Lall Gopal Ch. Bhowmik, Banagram, Faridpur.
Roy Kar & Co., Lohagara, Jessore.
Santosh Kumar Pal, Naihati, 24-Pergs.
Sasimohan Jnanendramohan Saha, Saturia, Dacca.
Sreedhar Chandra Kundu, Atrai, Rajshahi.
Tarakeswar De, Bagerhat, Khulna.
Tirthabasi Chandra Kumar Saha, Maohabazar, Dacca.

BOMBAY CITY.

Solem Hardware Mart, 309, Hornby Road, Bombay.

CALCUTTA.

Abhay Charan De & Brother, 8, Meerbohur Ghat St., Calcutta.
Ashkaran Lakhmichand, 35, Armenian St., Calcutta.
Bhajan Behari Saha, 9, Durmahatta Street, Calcutta.
Bidhu Bhusan Ghose & Sons, 45/1, Wellington Street, Calcutta.
Binjraj Jaichandlall, 2, Raja Woodmunt Street, Calcutta.
Brojendra Narayan Rai Chowdhury, 9, Kripanath Lane, Calcutta.
Chhogmull Ramratan, 10, Armenian Street, Calcutta.
Chunilall Subhkaran, 35, Armenian St., Calcutta.
Debendra Nath Paul & Co., 39, Wellington St., Calcutta.
G. P. Nundy, 67/4, Strand Road, Calcutta.
Gadadhar Shaw & Sons, 97, Harrison Road, Calcutta.
Ganesh Mall Labhu Ram, 4, Raja Woodmunt St., Calcutta.
Ganganarain Paul & Bros., 3, Darmahatta St., Calcutta.
Ganpat Shaw & Co., 97, Harrison Road, Calcutta.
Ghose & Sons, 45/1, Wellington Street, Calcutta.
Gokul Chandra Dhar & Sons, 17, Meerbohur Ghat St., Lohapatty, Calcutta.
Gopeswar Roy Chaudhuri, 16/B, Beniatolla St., Calcutta.
Hari Bhusan Shah, 9, Durmahatta Street, Calcutta.
Johurmul Gumbhirmull, 30/2, Clive Street, Calcutta.
K. C. Ghose & Sons, 8, Meerbohar Ghat St., Calcutta.
K. C. Mookerjee & Sons, 27, Wellington St., Calcutta.
K. L. Chakrabortty & Bros., 17, Durmahatta Street, Calcutta.

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Kally Doss Auddy, 4, New Bow Bazar Lane, Calcutta.
Lall Chand Birchand, 2, Raja Woodmunt St., Calcutta.
M. N. Hazra, 41, Wellington St., Calcutta.
Madan Mohan, Rai Mohan, & Kumud Mohan Roy Chowdhury, 12, Haralal Das Lane, Jorabagan, Calcutta.
Manickchand Gokulchand, 42, Armenian Street, Calcutta.
Mohorlal Sinha, 3, Meerbohur Ghat, Lohapatty, Calcutta.
Naresh Nath Mukherjee, 29, Beniapooker Road, Calcutta.
N. K. Hazra & Sons, 26, Wellington Street, Calcutta.
Nagendra Nath Dey, 24, Meerbohur Ghat St., Calcutta.
Narendra Mohan, Jatindra Mohan, Satish Chandra Saha, 12, Durmahatta Street, Calcutta.
Natobar Sett, 13, Meerbohur Ghat Street, Calcutta.
Nepal Chandra Saha & Bros., 9, Durmahatta Street, Calcutta.
P. Dutt & Co., 54/4, College St., Calcutta.
P. M. Sircar & Sons, 26, Wellington Street, Calcutta.
Panchanan Ghosal & Co., 20, Wellington Str., Calcutta.
Paul & Co., 39, Wellington St., Calcutta.
Phanindra Nath Manna & Co., 18, Meerbohur Ghat St., Cal.
Preo Nath Ghose & Co., 14, Meerbohur Ghat Street, Calcutta.
Prosonno Kumar Roy & Co., 26, Wellington Street, Calcutta.
Radhakrishan Sharda, 10, Armenian St., Calcutta.
Raghunath Lokenath Saha, 75, Beniatola Str., Calcutta.
Ramjiwan Ramnath, 4, Woodmunt St., Calcutta.
Roy, Coomar & Co., 8, Mirbohur Ghat Street, Calcutta.
S. C. Ghosh & Co., 31, Wellington St., Calcutta.
S. Nandy & Co., 25, Wellington St., Calcutta.
Sasadhar Ghosal, 14, Wellington Street, Calcutta.
Sachindra Mohan Roy, 7/1, Durmahatta St., Calcutta.
Satish Chandra Ghosh & Co., 3, Durmahatta St., Calcutta.
Satyendra Mohan Palodhi & Kalipada Nundy, 39, Wellington St., Calcutta.
Seal Chandra & Co., 21, Wellington St., Calcutta.
Sovachand Labhuram, 35, Armenian St., Calcutta.
Sri Hari Pada Dutt, Narottam Samanta, 28, R. G. Kar Rd. Cal.
Surath Nath Manna, Monmatha Nath Manna, 7, Meerbohur Ghat Street, Calcutta.
T. N. Mookerji & Sons, 82/2B, Wellington St., Calcutta.
T. N. Mullick & Sons, Meerbohur Ghat Street, Calcutta.
Uttamchand Jaswantmall, 46, Strand Road, Calcutta.

KARACHI.

Tirath Ram Kashmiri Lall, Karachi.

LAHORE.

B. R. Hermann & Mohatta Ltd., Lahore.

GALVANISED WARES MANUFACTURERS.

BENGAL.

Indian Galvanising Works, 41, Chandalpara Lane, Ghusuri, Howrah. M./A.—Balmer Lawrie & Co., 103, Clive St., Calcutta.
Marwar Galvanising Works, 8, Raghab Kalay Lane, Bamangachi, Salkia, Howrah. Office 161/1, Harrison Road, Calcutta.

BOMBAY CITY.

Saifee Bucket Factory, Sankali St., Byculla, Bombay. (Also Bins).

BOMBAY PRESIDENCY.

Crown Bucket Factory, Ahmedabad.

CALCUTTA.

Bengal Galvanising Works, 91A, Ultadanga Main Rd., Calcutta.
Binapani Galvanising Works, 137/1/2, Ultadanga Main Road, Calcutta.
Calcutta Galvanising Co., Ltd., 142/1, Radha Bazar St., Cal.
Electric Welding & Mfg. Co., 2, Fairlie Place, Calcutta.

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Gadadhar Shaw & Sons, 97, Harrison Road, Calcutta. (Oil and Water Tanks & Drums).
Ganpat Shaw & Co., 97, Harrison Road, Calcutta.
Great Eastern Galvanising Works, 24, Darpanarain Tagore Str., Calcutta.
S. S. Galvanising Co. Ltd., 23, Canal West Road, Calcutta.

DELHI.

Punjab Bucket Co., Pul Bangash, Delhi.

ORISSA.

Union Gas Works, Buxi Bazar, Cuttack. (Galvanised Goods).

PUNJAB.

Upper India Metal Works Ltd., Chheharta, Amritsar Dt.

GAS ENGINES DEALERS.

(See under Oil & Gas Engines).

GENERAL MERCHANTS.

ASSAM.

Abdul Kaher & Sons, Sylhet.
Anglo-Assamese Co., Bidvanagar, Sylhet.
Assam Valley Trading Co., Ltd., Gauhati.
B. N. Dev & Co., Panbazar, Gauhati.
Dinanath Dutt, Cacher.
Jiwraj Chunnilall & Co., Nazira, Assam.
Kamala Agency, Gauhati.
Rai Chunilal Bahadur & Co., Fancy Bazar, Gauhati.
Shaikh Bros., Gauhati.

BALUCHISTAN.

Baluchistan Forage & General Stores, Bruce Road, Shikarpuri Bazar, Quetta. (Also Govt. Contractors).

BENGAL.

Anandalal Mukherjee, Khagra, Murshidabad.
Mian Mansabali Khan & Bros., P.O. Kalimpong, Dt. Darjeeling.
Moharsing & Hetram, P.O. Kalimpong, Dt. Darjeeling.
Oriental Commercial Society, Katirhat, Chittagong.
P. Roy & Bros., Main Road, Asansol.
Panja Bros., Barabazar, Burdwan.
Popular Agency Co., Popular Bldgs., Station Ghat, Backerganj.

BIHAR.

Bishun Ram Dashrath Ram, P.O., Daltonganj, Palamau.
Dilchand Lall & Grandsons, Dinapore Cantt. (B. & O.).
J. R. Agarwal & Co., Gaya.
Jurimal Mahadev Prasad, Raxaul, Champaran.
Mahasher Bros. & Co., Hospital Road, Raipur, Muzaffarpur.
Ram Autar Gaya Prasad, Naubatpur, Patna.

BOMBAY CITY.

B. M. Trading Corporation, P.O. Box No. 237, Bombay 3.
Chintamani & Co., 75, Mirchi St., Post Box 3087, Bombay 3.
Damji Mavji & Co., 177, Khojagally, Mandvi, Bombay.
Home Industries Coy., Lady Hardinge Road, Mahim, Bombay.
Imperial Trading Co., 7-10, Elphinstone Circle, Fort, Bombay
J. V. Navalakhi & Co., Kalbadevi Road, Bombay.
Jagjivandas S. Merchant, Ardeshir Dady St., Kapada Building, Girgaum Back Road, Bombay.
Rajanbhai Meherally & Son, Jassani Buildings, Hains Road, Jacob Circle, Bombay 11.
Ramjanally Ebrahim & Co., 81, Princess St., Bombay 2.
Ratilal Girdhar, Carnac Bunder Iron Market, Bombay 3.
Vardhman & Sons, Pydhoni, Bombay 3.

BOMBAY PRESIDENCY.

A. C. Gandhi & Bros., Opp. Atta Mills, Railwaypura P. O., Ahmedabad.
Ananta B. Naik, Nova Goa.
B. N. Sathe & Bros., 240, Budhwarpeth, Kotwal Chandni, Poona.
Bhide & Sons, Sangli State, Belgaum.

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Chintamani Satappa Biraj, P. O. Raibag, Belgaum Dt.
Keshavlal & Chhaganlal, Opp. Bhavnagri, Limbu Sheri, Surat.
L. S. Nagorkar Bros., 677, Vetalpeth, Poona.
Poona Central Agency, 578, Ravivar Peth, Poona.
Rattanji Sapurji Tata & Co., Bilimora, Surat.

BURMA.

B. D. Bugwadia & Sons, Well Street, Akyab, Burma.
D. Dass & Co., Taungdwingyi, Burma.
Moti Ram & Sons, 27th Road, Mandalay, Burma.
Noormohamed Asman Bros., Paungbyin, Burma.

CALCUTTA.

Adam Hajee Peermohamed Essack, 1, Amratala Lane, Cal. Br:—Bombay, Madras, Rangoon, Karachi, Chittagong, Akyab, etc.
Bengal Stores, 8A, Chowringhee Place, Calcutta.
Enterprising Society 43/1, Upper Circular Road, Calcutta.
General Utilities Co, 26, Strand Road, Calcutta.
Hajee Habib Hajee Peermohmed, 4, Amratala Street, Calcutta.
Hoosen Kassam Dada, 26, Amratala Street, Calcutta.
Indo-Commercial Stores, 77/1, Clive St., Calcutta.
International Stores, 171A, Harrison Rd., Calcutta.
Martin & Co., 12, Mission Row, Calcutta.
Md. Ishaque Chandna, Ltd., 71, Canning St., Calcutta.
S. C. Ghose & Co., 7, Ezra Street, Calcutta.
Sarkies & Co., 19, Strand Road, Calcutta.
Sen Gupta Bros., 32/5/1, Beadon Street, Calcutta.
Shilpa Bhaban, 208, Bowbazar St, Calcutta.
Siddessur Sen & Co., (Merchants), Ltd., 33, Canning Street, Calcutta.
T. M. Thakore & Company, 12, Dalhousie Sqr., East, P. O. Box 2111, Calcutta.
Universal Merchants, 58/1, Canning St., 1st Floor, Calcutta.
Wellington & Ward Ltd., Chowringhee Sqr., Calcutta.

CENTRAL PROVINCES.

Popular Stores, Tilak Rd., Nagpur City.
R. Rao & Sons, Thularam Chourasta, Jubbulpore.
Sanghi Stores, Lordgunj, Jubbulpore

DELHI.

Anisul Haq., Bazar Masjid Tahvar Khan, Delhi.
Mohammad Ariff & Sons, Sadar Bazar, Delhi.
Piyare Lall Beri Khatri, 144, Kucha Ghasi Ram, Delhi.
R. N. Shyngle & Co., Mori Gate, Delhi.
S. Mohd. Shafi Mohd. Jan, Sadar Bazar, Delhi.

INDIAN STATES.

B. Parikh & Co., Mandvi Road, Baroda.
C. Krishna Chetty & Sons, Sayaji Road, Mysore.
Channagiri Venkata Setty & Bros., Davangere, Mysore State.
D Aziz & Co, Shroff Bazar, Bhavnagar, Kathiawar.
Devidas & Sons, Commercial St., Bangalore.
Faiyaz & Co., 15, Jaipur City.
Ganesh Lall & Sons, Sojatia Gate, Jodhpur.
General Supply Co., Cantonment Trivandrum, Travancore.
Indian Products Co., Bundi, Bundi State, Rajputana.
K. M. Paul & Co., Moovattupuzha, Travancore.
New Eastern Trading Co., Ranjit Road, Jamnagar, Kathiawar.
Oosman Hassam Sait, 37, Old Tharagupet, Bangalore City.
P. Sarnoo Mal & Sons, Srinagar. (Kashmir).
R. Zutshi & Co., Sadar Bazar, Morar, Gwalior.
Ram Nath & Co., Nana Bazar, Sojitra, Baroda.
Star Trading Association, Bangalore City.
T. M. Abcobucker, Alleppey, Travancore.

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KARACHI.

Gokalchand Tarachand & Sons, Bunder Road, Karachi
Mulraj Liladhar & Co, Jodia Bazar, Karachi.
Nanik Chemical Works, Bunder Road, Karachi
Narain Das & Co, 161, Garden Road, Karachi
Radhakishan Ghanshamdas & Bros, Near Boulton Market, Karachi

LAHORE.

A H Harron & Co, Harron Mansion, Mayo Road, Lahore
Abdul Rashid Bros, China Mart, Anarkali St, Lahore
Mulchand & Sons, Bazar Machhi Hatta, Lohore

MADRAS CITY

A Hussain & Co, 6, Stringer's St, G T, Madras
C Comaraswamy Naidu & Sons, China Bazar Road Madras
Ghani Mohamed Mohideen, 25, Mahfooz Khan's Garden Street, G T, Madras
India Company Limited, Mount Road, Madras Br —Calcutta
Parry & Co, Ltd, 1st Line Beach, Madras
R Krishna & Co, 142-1, Strathams Road, Perambur Barracks, Madras
T S Abdeally & Bros, 3, Bunder Street, Madras.
V P Mohamed Oomer Miyan Saheb 174, Angappa Naick St, Madras

MADRAS PRESIDENCY.

B Krishnamurthi Bros, Benerjipet, Ellore, W Godavary Dt
B Ramayya & Co, Main Road, Vizagapatam
Bharathy & Co, Negapatam, S.I.
H S Veerabhadrappa & Sons, Bellary
Johary Abdul Gani Saheb, Kurnool.
K Menon Bros, Woriur, Trichinopoly.
M L N Nagabhushana Row, Masulipatam, (Krishna).
M Venkata Ramayya & Sons, Main Road, Vizagapatam
Navneedam Chetty & Co., Ambalatadu Ayyer Madam Street, Pondicherry
New Trading Co, Bezwada, Kistna
Oomersee Kesowjee and Company, Camp Bazar, Cannanore.
P Gopala Krishnaiah & Sons, Tenali, Guntur
Radha Krishna & Co, Bellary.
Rao & Sons, Kodur, Cuddapah
Ratnam & Co, Darkespet, Palakaiai, Trichinopoly.
S. Vaidya & Co, China Bazar Rd., Teppakulam, Trichinopoly.
Sri Ramkrishna Trading Co, Narasaraopet, Guntur Dt.
T R Balakrishna Reddiar, Fort, Vellore (Also importers).

N. W. F. PROVINCE.

Gulab Rai & Sons, Arbab Road, Peshawar Cantt

ORISSA.

F H Bihmoria & Co, Cuttack
Suresh Chander Daw Haridhone Daw, Balu Bazar, Cuttack.

PUNJAB.

Baldev Singh & Co, Nanak Gusain St, Sialkot City
Central Asian Traders Association, Regd, Bahadurpur, Hosiarpur Br Srinagar-Kashmir
Dagshai Cash Stores, Dagshai Hill, Simla Hills
Gopal Singh Lamba & Sons, Bhagowal, Gujrat Dt
India Importing Co, (Regd.), Katra Bhai, Amritsar
Jogendra Commercial Agency, (Government Registered), Ludhiana, Punjab.
L Chooharam Arthi, Leiah, Muzaffargarh
Lall Chand & Co., Near Fort, Sialkot City.
Lalla Bidhu Ram Soonko Ram, Samloti, Kangra
M Muzaffaruddin & Sons, Multan City.
Prabh Singh Trilochan Singh, Chowk, Darbar Sahib, Amritsar.
S S Mela Singh & Son, Chowk Baba Atal, Amritsar
Seth Brothers, Jaimalsingh Strett, Amritsar.

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Thakar Das Asanand, Leiah, Punjab. (Also Khes and Khaddar Mftrs.).

RAJPUTANA.

Popular House Ltd., Beawar, (Rajputana). (Also Stationery Goods)

RANGOON.

P. Moti Ram & Sons, 73, Fraser St., Rangoon.

Vrajlal Amritlal & Sons, 220, Strand Road, Rangoon.

UNITED PROVINCES.

Anand & Co., Ltd., 81, Chouk Gangadas, Allahabad City.

Army & Police Equipment Supply Co., P.O. Box 36, The Mall, Cawnpore.

B. D. Angras & Sons, Hazratganj, Narehi, Lucknow.

Bala Prasad & Sons, 49, Aminabad Park, Lucknow.

Bhogamati Pd. Singh & Shambhu Nath Singh, Pura, Fyzabad.

Charan Das & Sons, Chauk, Chunar.

General Stores, Pilkhuwa, Dist Meerut.

H. M. Hasan & Sons, 4, Aminabad Park, Lucknow.

Kasoomri Das Shiam Lal, Kaiserganj, Meerut.

Laxmi Lal Anand Bros., Shyam Niwas, Almora.

Mohd. Umer Mohd. Harum, Aligarh.

Mullick & Sons, 1, Aminabad Park, Lucknow.

Narain Bros., 34-74, Hata Swami Singh, Cawnpore.

Nityanand Deokinandan, Nayaganj, Cawnpore. Br:—Sahebganj, Fyzabad & Nawabganj, Gonda Dt.

Nizam Uddin Hosain & Sons, Budaun

Paras Das & Sons, Lachmi Building 777-A, Rajpur Road, Dehra Dun.

Dr. Prof. P. K. Roy, Mg. Director, J. M. Tara & Co., Cola Munzil, Benares City.

Saksena & Sons, Lakhimpur, Kheri.

Saii C. Mohammad Siddiq, 125, Pandariba, Allahabad.

Stranger & Sons, 210, Victoria Park, Benares City.

GENERAL ORDER SUPPLIERS.

ASSAM.

Dutt's Assam Supply Agency, Paltan Bazar, Gauhati.

BENGAL.

D. P. Chakrabarti & Co., 40/4, Hridoy Kristo Banerjee Lane, Howrah.

BIHAR.

Continental Trading Company, Sitamarhi, Muzaffarpur.

BOMBAY CITY.

Garga Trading Co., 78, Dadyseth Agiary Street, Bombay No. 2. Br:—Hathras and Agra.

Kanga & Co., Princess St., Fort, Bombay.

CALCUTTA.

A. B. Sons & Co., 1A, Swallow Lane, Calcutta.

A. & N. Banerjee Co., 84-A, Clive Street, Calcutta.

Agencies Co. (India), 7/1, Lindsay Street, Calcutta.

Ananta Charan Mullick & Co., 167/5, Dharumtolla St., Calcutta.

Bengal Stores Supply Co., 19, Kailash Bose St., Calcutta.

Colley & Co., 84-A, Clive St., 2nd Floor, Calcutta. Br: Sahibgunj.

Chowringhee Traders, 8, Canning St., Calcutta.

Commercial Stores Supply Co., 26A, Clive St., Calcutta.

Dey Bros., 47/B, Sir Stuart Hogg Market, Calcutta.

Dey & Sons, 4, Raja Radhakant Deb Lane, Hatkhola, Calcutta.

Dutta Bros. & Co., 1/1, Gossain Lane, Baghbazar, Calcutta.

East End Trading Co., 16, Talpuker Road, Beliaghata, Calcutta.

Economic Supplying Agency, Post Box No. 11437, 16-A, Amherst Row, Calcutta.

Enterprising Society, 43/1, Upper Circular Rd., Calcutta.

Fatehchand Hiralall, 43, Armenian St., Calcutta.

GET "NEW CUSTOMERS: HOW TO CREATE, HOW TO HOLD" FROM INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

George, Dutt & Co., Ltd, 2, Royal Exchange Place, Calcutta.
General Stores Supply Co., 137, Canning St., Calcutta.
Indo-British Commercial Syndicate, 3/1, Mangoe Lane, Cal.
Indo-Burma Agency, 16, Bonfields Lane, Calcutta.
Karim Bux & Elahi Bux Bros, 58-4, Canning St., Calcutta.
M. S. Ahmed & Co., Ltd., 58/6, Canning St., Calcutta.
N K. Dutt & Co, 25B. Swallow Lane, Calcutta.
Orient Trading Co, 151, Harrison Road, Calcutta
S N Mukheriee, 22, Canning St., Calcutta.
Sen Gupta Bros., 32/5/1. Beadon St., Calcutta.
Universal Merchants, 58/1, Canning Str., 1st. Floor, Calcutta.
V P. Stores, 15, Lindsay St., Cal.
Verat & Co., 109. Harrison Road, Calcutta.

DELHI.

General Supply Agency, 70. Gole Market, New Delhi
Ram Sham & Bros., Egerton Rd. Delhi.

INDIAN STATES.

H. Jhoon & Co., Koovapadam, Cochin.
Pallan Kandy Abdu & Bros. Mattancherry, Cochin

KARACHI.

General Supplies Company, Post Box No. 167, Karachi.

MADRAS CITY.

A S. V. Iyer & Co., 5, Nagappur St., Triplicane, Madras.

MADRAS PRESIDENCY.

Bharathy & Co., Negapatam, S. I.
M. W Rowji, 26, Tirutani Road, Stuvalpet, Arkonam, N. Arcot.
Poor Service Lodge, Biiey P. O. Mangalore.
T. S R. Iyengar & Bros., Attikadai, Koradacheri, Tanjore.

NEPAL.

Badruddin & Sons, Katmandu, Nepal.
Sahu Gopaldas Keshab Lal, 132, Dathu Tajhyal, Patam, Nepal.

ORISSA.

Sarma Bros., Mandasa, Ganjam.

PUNJAB.

B S. Vaid Co., Samloti, Kangra.
Jogendra Commercial Agency, Ludhiana.
Kishore Chand Ramji Dass, Ludhiana
S S. Mela Singh & Son, Chowk Baba Atal, Amritsar.

RANGOON.

Biswas & Co., 661, Edward Street, Rangoon.
V M Abdul Rehman & Sons, 89, Mogul St., Rangoon.

SIKKIM.

Indraman & Sons, P.O. Rhenock, Sikkim.
Jethmull & Bhoj Raj, P.O., Gangtok, Sikkim.
Mohar Singh & Hans Ram, P.O., Rhenock, Sikkim.
Tulsiram & Jiyaram, P.O. Rhenock, Sikkim.

UNITED PROVINCES.

Agarwal Brothers, Ghaziabad, U P.
B. K. Mukerji & Co, 94, Baradeo, Benares City
B. L Meetal & Sons, Lucknow.
E. I. Ry, (Confectioners & Caterers).
Commercial House, Rani Mills, Meerut.
German Trading Agency, Lala Ka Bazar, Meerut.

THE BEST HOUSE FOR—

Essential Oils, Chemicals, Soap Perfumes, Perfumes for Cosmetics, Cellophane Paper, Waxed Paper, Fancy Bottle for Perfumery and Hair Oil, Palm Oil (Bleached), Stearic Acid, Cereps (Superfat for Soap), Thoreps for Cream, Pale Cresylic Acid, Glycerine, Kaoline, Lanoline (Superfat for Soap), Face Powder ready for use (Unscented), Lecithine (vegetable with larger percentage of Vitamines) for Creams and Biscuits.

S. N. MUKERJEE,
Importer & Exporter, Agent & General Order Supplier,
22, Canning Street, Calcutta.
'Phone:—Cal. 3912. 'Grams:—Mukban.

H. Abdul Rasheed Raz, 162, Anderkote Street, Meerut City.
Imperial Business House, Nagina, Bijnor.
Jagdish Bros., Begamki Deorhi, Agra.
Masterman & Co., The Mall, Cawnpore.
R. K. Mehrotra & Sons, Raja Building, Cawnpore.
Sharda Company, Post Box No. 39, Lucknow. (M./A. For Bombay Chemical Works.)
T. L. Sharma & Co., Aligarh, U.P. (Also Brasswares, Hardwares & Locks).

GHEE MERCHANTS.

(Also see Dairy Farm and Dairy Product Dealers).

BIHAR.

B. C. Bose, Forbesganj, Purnea.
Dipchand Noorchand, Gokulnagar, Khunt, Purnea.
Ramavatar Sharma, Navanagar, Rusera, Darbhanga.

BOMBAY PRESIDENCY.

Ghatkoper Ghee Depot, Amrit Bhuvan, Ghatkoper, Thana.
Shah Premraj Kesharchand, 12th Bhawani Peth, Poona.

CALCUTTA.

Abinash Chandra Dutt & Sons, 3, Burtola St., Calcutta.
Ashok Chandra Rakhit Ltd., 26, Cotton St., Calcutta.
Dasarati Rakshit, 152, Cotton Str., Calcutta.
Laxmidas Premji, 9, Parsee Church St., Calcutta.
Mahananda Dutt & Co., 65, Strand Rd., Calcutta.
Mahesh Ch. Kundu and Bangshidhar Kundu, 2A, Ram Kumar Rakshit Lane, Calcutta.
Munnalall Dwarkadas, 76, Burtolla Str., Calcutta.
Nandalal Kurari, 107, Darmahatta St., Calcutta.
Nanuckram Bisseswarlall, 20, Cotton Street, Calcutta.
Rai Ch. Chail & Co., 152, Cotton Street, Calcutta.
Ramgopal Ram Ratan, 5, Burtolla St., Calcutta.
Ramkristo Rakshit, 4, Burtolla St., Calcutta.
Sedhmull Onkarmull, 21, Cotton St., Calcutta.
Shewnarayan Ramratan & Co., 61, Khurut Road, Howrah; 14, Burtola St., Calcutta.

DELHI.

Bishember Dial Jai Narain, Khari Baoli, Delhi.
Lala Pearey Lall Lakhi Mall, Khari Baoli, Delhi.
Mangal Stores, Raisina, New Delhi.
Moti Ram Makhan Lall, Khari Baoli, Delhi.

INDIAN STATES.

Cochin Diary Farm, Vadabuakom, Cochin.
Rangu Raj & Bros., Alathakutty Road, Cochin.

KARACHI.

Gohumal Dasumal, Joria Bazar, Karachi.
Mulchand Jethanand, Badin, Karachi.
Seth Udernomal Pheroomal, Jhimpir, Taluka Tota, Karachi.

MADRAS.

Rajan & Company, 26, Audiappa Naick St., G. T., Madras.

MADRAS PRESIDENCY.

B. Subbiah, Cocanada, Godavary.
P. Suthusami Co., Tavampalayam, Dharampuram.
Tirupur Ghee Manufacturing Co., Tirupur.

MERWARA.

Daulatram Singhi, Purani Mandir, Ajmer.

PUNJAB.

Anantram Mulkraj, Khangarh Dogran, Sheikhupura.
Devidas Kanshiram, Bhalwal, Sargodha.
Godharam Jiwandas, Jaranwala.
L. Lila Ram, Iqbalnagar, Punjab.
Mahesh Das Gilaram, Pindi Bhatian, Punjab.
Moolchand Sunder Das, Hariah, Gujrat.
Sunder Singh Tara Singh, Pindi Bhatian, Punjab.
Tirokaram Musaddilal, Mian Channun, Punjab.

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UNITED PROVINCES.

Bholanath Pyarilal, Bharatpur Gate, Muttra
Bholanath Ramprasad, Collectorgunj, Cawnpore
Chotmal Jiwaraj, Hinganghat.
Ganeshprasad Kunjilal, P.O. Mau Ranipur, Mau, Dt. Jhansi.
Gangaprasad Kashinath, P.O. Mau Ranipur, Mau, Dt. Jhansi.
Hiralal Ganesh, Hinganghat.
Naraindas Mata Deen, Collectorgunj, Cawnpore.
Raghunath Das Jamnadas, Govindganj, Muttra.

GINNING & PRESSING FACTORIES.

ASSAM.

Bhararia Cotton Ginning & Pressing Factory, Dhubri, Assam.
Krishna, Cotton Ginning Mill, Mankachar, Assam.
Onkar Cotton Mill, Salmara South, Dhubri, Assam. Prop. Onkarmal Jwalaprasad.
Ram Cotton Mill, Mankachar, Assam.

BENGAL.

Calcutta Cotton Factory, 90, Cossipore Road, Calcutta.
Calcutta Hydraulic Press, 9, Kali Prosanna Singhi Street, Cossipur, Calcutta.
Cossipore Cotton Ginning Factory, 2, Sugar Works Lane, Cossipore, Calcutta.
Homer Jute and Cotton Works, 31, Harakumar Tagore Strand, Baranagore, Calcutta.
Nityananda Cotton Ginning Factory, Chittagong.
Ralli Bros., Cotton Ginning Factory, Bandar, Narainganj, Dacca.

BOMBAY PRESIDENCY.

Ahmedabad Pressing, Ginning & Manufacturing Co., Ltd., Ahmedabad.
Akbar Mfg. Co.'s Press Factory, Savda, E. Khandesh; Sendurni, E. Khandesh.
B. N. Kadadi Pressing Factory, Bhimthadi, Poona.
Barejadi Ginning & Pressing Factory, P. O. Nundej, Barejadi.
Bavla Vepari Cotton Press, Dholka, Ahmedabad.
Bhagawandas Narottamdas Cotton Press Factory, Sindkheda, W. Khandesh.
Bharat Spinning and Weaving Co. Ltd., Hubli, Dharwar.
Broach Ginning & Pressing Co., White Road, Broach.
Chalisagaon Gin and Press Factory, Chalisagaon, E. Khandesh.
Chaturbhuj Durgadas Press Factory, Chopda, E. Khandesh.
Colabawalla Press Factory, Nandurbar, W. Khandesh.
Darasha Rustomji, Cotton Pressing Factory, Kalol, Panch Mahals.
Deccan Ginning & Pressing Factory, Hubli, Dharwar.
Dholka Cotton Pressing & Ginning Factory, Dholka, Ahmedabad.
Divan Bahadur Gin & Press Factory, Bagalkot, Bijapur.
Eastern Cotton Trading Co., Ltd., Dhulia, W. Khandesh.
Faizpur Cotton Press Factory, Yaval, E. Khandesh.
Gamadia's Press Factory, Bhusawal, E. Khandesh.
Gangaram Sakharam Press Factory, Amalner, E. Khandesh.
Gokak Trading Company Cotton Press Factory, Pandharpur, Sholapur.
Gokuldas Cullyanji Barsi Cotton Company, Ltd., Barsi, Sholapur.
Gopal Krishna Gin Factory, Nampur, Nasik.
Govindji Viram Press Factory, Pachora, E. Khandesh.
Harvey & Sabhapati Co., Ltd., Bijapur.
Hiralal Ramnarayan Gin Factory, Pachora, E. Khandesh.
Hyderally Manufacturing & Press Factory, Bombay.
Indian Cotton Company's Press Factory, Pachora, E. Khandesh.
Indian Ginning & Pressing Co., Ltd., Naroda Rd., Ahmedabad
Jamnadass Nursey Ginning & Pressing Co. Ltd., Albert Bldg., Hornby Road, Fort, Bombay.

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Jamsetjee Rustomjee, Colabawala, Gin & Press, Dhulia, W. Khandesh.
Japan Cotton Trading Company's Press Factory, Amalner, E. Khandesh.
Joint Ginning Factory, Golvadi Gate, Viramgam, Ahmedabad.
Kapadia Ginning & Pressing Factory, Olpad, Surat.
Kapadvanj Cotton Pressing Factory, Kapadwanj, Kaira.
Karamsi Pacharia Ginning Pressing Factory, Gadag, Dharwar.
Keshavlal Harpal Ginning Co., Golvadi Gate, Viramgam, Ahmedabad.
Khandesh Spinning & Weaving Mills, Pressing Factory, Jalgaon, E. Khandesh.
Kisandas Thakurilal Press Factory, Parola, E. Khandesh.
Lalji Ramji Pressing Factory, Jambusar, Broach.
Laxmi Cotton Pressing Factory, Athani, Belgaum.
Laxmi Narayan Press Factory, Chalisagaon, E. Khandesh.
Madras United Press Co., Ltd., Ismail Bldg. Hornby Rd., Fort, Bombay. Br:—Guntakal, Coimbatore, Tirupur, Dindigul.
Maganlal Rameshwar Gin Press Factory, Malegaon, Nasik
Mahajan Gin & Pressing Factory, Athani, Belgaum.
Mahomadalli Essabhoy Press Factory, Sindkheda, W. Khandesh.
Manilal Motilal Ginning & Pressing Factory, Viramgaum, Ahmedabad.
Manmar Mfg. Co., Ltd., Challsgaon, E. Khandesh.
New Jamshed Gin Factory, Dhulia, W. Khandesh.
New Pophale Gin & Press Factory, Malegaon, Nasik.
P. R. Vakharia Ginning & Pressing Factory, Broach
Pitamberdas Ladha, Gin, Nandra, E. Khandesh.
Thasra Ginning & Pressing Factory, Thasra, Kaira.
Tribhovandas Ginning Factory, Viramgam, Ahmedabad.
Upper India Press Company, Hodal, Gurgaon.
Victoria Cotton Pressing Factory, Hubli, Dharwar.
Viramgaum Uttejak Ginning Co., Ltd., Viramgaum, Ahmedabad,
Vithal Saheb Pressing Co., Mandal, Viramgam, Ahmedabad.
Volkart's United Press Factory, Dhulia, W. Khandesh.
Vyankatesh Ginning & Pressing Factory, Pandharpur, Sholapur.
Wadi Bunder Cotton Press, Wadi Bunder, Bombay.
West Patent Press & Co., Ltd., Hubli, Dharwar.
Whittle Anderson & Sons, Ltd., No. 3, Viramgaum, Ahmedabad.

BURMA.

Burma Cotton Co., Ltd., Myingyan, Burma.
Japan Cotton Trading Co., Allanmyo, Thayetmyo.
Mohamed Mamsa's Cotton Factory, Gin Yegyo, Meiktila.
Narandas Chatra Bhuj & Co.'s Cotton Ginning Mill, Stantvit Rd., Myingyan.

CENTRAL PROVINCES.

Bachhraj Gin & Press, Wardha.
Bhagchand Kailaschand, Khandwa, Nimar.
Gokuldas Dossa & Co., Wun, Yeotmal.
Har Govind Jaidayal Gin & Press Factory, Pandhar Kewada, Yeotmal.
Jafeerji Mulla Heptullabhai, Amraoti.
Jamnadas Nursey Ginning & Pressing Co., Ltd., Digras, Yeotmal.
Murarka Gin & Press, Chandur, Amraoti.
Narsingh Jagannath Gin Factory, Malkapur, Buldana.
Plateau Ginning Factory, Chindwara.
R. B. Hardatroy Ramprataj, Shegaon, Buldana.
Radha Kishan Jaikishan, Gin & Press, Harda, Hoshangabad.
Ramratan Sitaram Old Gin & Press Factory, Arvi, Wardha.
Seth Abhairam Chunilal Gin & Press Factory, Pipariya, Hoshangabad.
Seth Prayagdas Narsingdas, Pulgaon, Wardha.

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Seth Radha Kisen Jaikisen, Gin & Press, Khandwa, Nimar
Shri Ghadand Gin & Press Factory, Anjangaon, Amraoti

INDIAN STATES.

Faridoonjee Pestonjee Factory, Jalna, Aurangabad
Gamodia's Press, Devangere, Chitaldrug
Ginning Factory Dhoraji, Gondal, Kathiawar
Ginning Factory Pirawa, Tonk, Rajputana
Hiralal Sorabji Cotton Gin Sanawad Indore
Jaipur State Cotton Gin & Press, Jaipur
Kalidas Narain Das Cotton Ginning Factory Itola Baroda
Seth Nizar Ali Shujalpur Gwalior
State Cotton Press Mandawar, Mahwa Rd, Station Jaipur

MADRAS PRESIDENCY

A and F Harvey's Satur Ginning & Pressing Factory Satur, Ramnad
A T A C Avyayu Naidu Factory Pollachi Coimbatore
Bellary Cotton Press Co Ltd, Bellary Bellary Dist
Bijapur Mahalaxmi Co Bijapur, (Oil Mills, Manure Boiled Oil)
Deccan Pressing & Ginning Co, Guntur
Goculdas Cullianji Ahmednagar Cotton Press Co, Ltd Adoni, Bellary
Indian Cotton Co, Ltd Tirupur, Coimbatore
K A Palamiswami S V V G Factory Tirupur.
Nandyal Press, Nandyal, Kurnool
Ralli Bros Ltd Cotton Pressing & Ginning Factory Tuticorin, Tinnevelly
Sree Narasimha Cotton Press, Narasaraopet Guntur
Tinnevelly Cotton Press Co., Ltd, Dindigul, Tuticorin

MERWARA

Holme Cotton Ginning Factory, Bijai Nagar Ajmer.
New Cotton Press & Ginning Factory, Beawar, Merwara
Shatunjya Manak Factory Kekri Ajmer

PUNJAB

Arjan Cotton Factory & Press, Phullarwan, Shahpur
B C G A (Punjab), Ltd, Khanewal, Punjab
Bhai Hirasing Gurmukhsing, Tarn Taran Lahore
Bhagwant Cotton Factory, Sagodha, Shahpur
Birla Factory, Gin & Press Okara, Montgomery
Bishwambharlal Bisheshwarlal, Panipat, Karnal
Central Cotton Baling Press, Amritsar
Desh Cotton Factory Chuharkana Sheikhupura
Durga Dass Bhagwan Das, Kasur, Punjab
Haroti Cotton Press, Ltd, Hansi Hissar
Hindu Cotton Press Co, Ltd, Ambala City
Ganesh Cotton Factory Sheikhupura
Guru Nanak Cotton Factory, Nankana Sahib, Sheikhupura
Guru Ramdas Cotton Mills, Grand Trunk Road Amritsar
Indar Cotton Ginning & Pressing Factory Mian Channu, Multan
Kasur Baling Press, Amritsar
Khalsa Cotton Factory, Sangla Hill, Sheikhupura
Krishen Kumar Cotton Factory & Press Chak Jhumra Lyallpur.
Lakshmi Cotton Ginning & Pressing Factory, Abohar Ferozepore
Majha Cotton Factory, Patti, Lahore
New Mofussil Co Ltd, Palwal, Gurgaon
Nili Factories Limited, Vihari, Multan
Onkar Cotton Ginning & Pressing Factory Lyallpur
Onkar Cotton Factory Kot Radha Kishan, Lahore
Punjab Cotton Press Co, Ltd, Bharat Buildings, Lahore
Raj Cotton Factory Malakwal, Gujrat
Ranjit Cotton Factory, Tandianwala Lyallpur
Rama Ginning & Pressing Factory, Sangla, Sheikhupura

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Seth Sukhdev Bux, Gojra, Lyallpur, Punjab.
Tajena Brothers' Cotton Factory, Khanewal, Multan
Tatas Empress Mills, Ginning & Pressing Factory, Lyallpur.

SIND.

Edulji Dinshaw Pressing Factory, Mirpurkhas, Thar Parkar, Karachi
Hiranand Notandas Gin and Press Factory, Shahdadpur, Nawabshah
Karachi Press Co., Ltd, Karachi.
Manghanmal Wadhumal, Tando Adam, Nawabshah.
Pahlumal Motiram Cotton Ginning Factory, Mirpurkhas, Thar-Parkar.
Seth Kundomal Alim Chand. Shahadapur, Nawabshah
Vishindas Nihal Chand, Hyderabad, Sind.

UNITED PROVINCES.

Awa Raj Cotton Ginning & Pressing Factory, Jalesar, U.P
Baijnath Balmakund Cotton Ginning & Pressing Factory, Madhoganj, U P
Balmakund Cotton Ginning & Pressing Factory, Hathras, U.P.
Budri Narayanji Maharaj Devasthan Cotton Ginning & Pressing Factory, Chandausi U.P.
Cocolas Factory. Sarai Miran. U.P.
Cotton Hydraulic Press. Cawnpore, U P.
David Mills Company, Ltd. Bijli Mills, Mendu Gate, Hathras City, Dt Aligarh, U P
Ginning, Pressing, and Oil Mills. Karwi, U P
Ginning & Pressing Factory, Gobardhan, U P.
Gopi Ram Ram Chand ,Ginning & Pressing Factory, Shikohabad, Mainpuri
Gopal Rai Govind Ram Cotton Ginning & Pressing Factory, Aligarh, U.P.
Juggilal Kamlapat Ginning Pressing Factory, Cawnpore.
Juggilal Kamlapat Ginning & Pressing Factory, Etawah.
Kuber Cotton Ginning & Pressing Factory, Debai, U.P.
Mahaliram Lachmandas, Ginning & Pressing Factory, Chandausi, Moradabad
Nand Kishore Jagannath's Ginning Factory, Etawah, U.P
New Vaishya and Paliwal Ginning & Cotton Press Factory, Ltd, Sirsaganj, Mainpuri, U P.
Phoolchand Bagla Ginning & Pressing Factory, Hathras, Aligarh
Prem Cotton Ginning & Pressing Factory, Ujhani, U.P
Puranmal Niranjan Lal Cotton Ginning & Pressing Factory, Jahangirabad, Dt Bulandshahr.
R B Jankiprasad, Khurja, Bulandshahr
Ram Daval Bankey Lal Cotton Ginning & Pressing Factory, Hathras, U P
Ramgopal Fatehchand Cotton Ginning & Pressing Factory, Chandausi, U P
Raniwala Cotton Ginning & Pressing Factories, Firozabad, Agra (Also Grain & Seed Dealers)
Shankarlal Sri Ram Cotton Ginning & Pressing Mills, Saharanpur, U P
Sukhanand Shiamlal Cotton Press, Debai, U P
West's Patent Press Co Ltd., Aligarh, U P.

GINGER MERCHANTS.

Hazi Abdul Gunny, Belea, Purnea.
Mathalal Girdhar & Co., Kalvathy Road, Cochin. (Also pepper)
Paramananda Poddar, Domar, Rangpur
Sashi Bhusan Saha, Domar, Rangpur.
S K, Roy, Domar, Rangpur

GLASS MANUFACTURERS.

(Also see Bangle Manufacturers).

BENGAL.

Hardeo Glass Works, Dacca.
Mandalassa Glass Institute, Ramnabametalla, Bally, Howrah.

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Sivajee Glass Works, Howrah
Sree Gobindeo Glass Works, Ramrajatola, Howrah; Office: 9, Ezra Street, Calcutta
Victoria Glass Works, Ghoosery, Howrah

BOMBAY CITY.

Bombay Glass Manufacturing Co, 51, Naigum Rd, Dadar, Bombay
National Glass Works, Mazagaon, Bombay 10
Western Indian Glass Works, South Rd, Panchmahal, Bombay

BOMBAY PRESIDENCY.

National Glass Works, Poona
Ogale Glass Works, Ltd P O Ogalewadi, Satara
Paisa Fund Glass Works, Talegaon Dabhade Poona

CALCUTTA

Bengal Glass Works, Ltd, Church Rd, Dum Dum, Calcutta
Bharat Glass Works, 107 Dum Dum Road Calcutta
Binapani Glass Blowing Works, 1/A, Ramchand Ghose Lane, Calcutta (Syringes etc)
Calcutta Glass & Silicate Works, 6B, Kundu Lane, Calcutta
Crystal Glass Works Ltd 137, Canning St, Calcutta
East Bengal Glass Blowing Works 143/1, Baranashi Ghosh St Cal (Glass Syringe)
Imperial Glass Works, 9, Ezra Street, Calcutta Factory 47, Bahir Surah Road Belliaghata, Calcutta
J Mayr, 1, Mission Row, Calcutta
New Indian Glass Works, (Calcutta) Ltd, 101, Ultadingi Main Rd, Calcutta
Oriental Glass Works 58, Bahir Sura Road, Calcutta
Sodepur Glass Works 111 Radha Bazar Str, Calcutta

CENTRAL PROVINCES.

Central Glass Works, Nagpur
Ishwar Glass & Pottery Works, Okla, Delhi
Jewel Glass Factory, Civil Station, Jubbulpore
Nagpur Glass Works, Nagpur
Onama Glass Works, Gondia

INDIAN STATES.

Bikaner Glass & Pottery Works, Bikaner
Bikaner State Glass Works, Bikaner (Also Syringe)
Daga Glass Factory, Bikaner
Deccan Glass Works Begampet, Hyderabad, Deccan.

MADRAS.

Jamal Glass Works, Tondiarpet, Madras

PUNJAB

Amritsar Glass Works Grand Trunk Road, Amritsar
Upper India Glass Works, Ltd, Ambala City

UNITED PROVINCES.

Allahabad Glass Works, Naini, Allahabad
Bhanni Lal Glass Works Firozabad Agra
Coronation Glass Works Firozabad, Agra
Ganga Glass Works, Ltd. P O. Balawali, Bijnor, U P
Girdharilal Mohanlal Agarwal, Firozabad
Hanuman Glass Works Firozabad, E I Ry
Krishna Glass Works Hathras, Aligarh
Nagina Glass Works, Nagina Bijnor U P
Naini Glass Works 235, Bahadurganj, Allahabad
Rastogi Bros, (Glass Works), Kiratpur, Bijnor
Rohilkund Glass Works, Moradabad
Sahu Chandni Prasad Glass Works Dhampur, Bijnor
United Provinces Glass Works, Ltd Bahjoi Moradabad (Sheet Glass, Globes, etc)

GLASS & GLASSWARE MERCHANTS.

BOMBAY CITY.

A Dostmahomed & Co, 105, 107, Bhandari Street, (Chakla St.), Bombay.
A Valiji & Co 8-10 Lohar Chawl, Bombay, 2
Aboolally Noorbhoy, 122-24, Abdur Rehman St, Bombay

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All India Bottle Supplying Co., 153/155, Chackla Street, Bombay 3
Amritlal Bhagwandass & Bos., 77, New Charni Rd, Bombay 4.
De Laitte Lighting Co, Ltd., Graham Road, Ballard Estate, Bombay.
Ebrahim Peer Mahomed & Co., 112, Chakla St, Bombay
Indian Jar Supply Co, Janjikra St, Chukla, Bombay
Karimji Ebrahimji Arsiwala, 120, Abdul Rehman St, Bombay (Frame, Looking Glass).
L Ebrahim Haji Sheriff & Co., 150, Chakla St, Bombay
M Haji Husein Fazals, Chukla Str, Bombay 3
Salemahomed Padamsee & Co., 141, Chakla St, Bombay

BOMBAY PRESIDENCY.

Abdulla & Sons, Limda Chock, Surat
Chhaganlal Bhikhabhai Limda Chock, Surat
Esmail Ramju Limda Chock, Surat
Mahomedali Ishufali, Panfradia St, Dharampur, Surat
Shantilal Chunilal Mehta, Seth Pole, Nadiad, Kaira.

CALCUTTA.

A M Dadabhoy, 55/7, Canning Str, Calcutta
Alimahomed & Co, 27 Old China Bazar Str Calcutta (Also Lampware)
Banerjee Bros, 150, Lower Chitpore Rd, Calcutta. (Plate Glass and Mirror)
Bava Trading Co, 9 Ezra Str, Calcutta (Glass Phials)
Behary Lal Dey, 9, Swallow Lane, Calcutta
Bengal & Overseas Trading Co, 84-A, Clive St, Room No D-4, Calcutta
Bengal Glass Stores, 10/2, Swallow Lane, Calcutta.
Bengal Stores Ltd, 8-A, Chowringhee Place, Calcutta. M/A. Birla Bros. Ltd.,
Biswanath Dutt & Co, 203, Old China Bazar Str, Cal.
Bombay Glassware Mart, 22, Colootola Street, Calcutta.
Bombay Mirror Mart, 126, Canning Street, Calcutta
C. K Das & Sons, 17, College Street, Calcutta
Calcutta Glass Trading Co., 4, Royal Exchange Place, Calcutta.
Durlav Ch. Mazumdar, 28/17, Old Chinabazar Str, Calcutta.
Durlav Ch Paul & Sons, 190, Old China Bazar Str, Calcutta. (Also Lamp & Enamelware)
Economic Glass House, 25A, Swallow Lane, Calcutta
F. Racek & Co., 111, Radha Bazar Street, Calcutta. H.O. P. O. Box 2006, Bombay 2. Branches P O Box 1248, Madras P O Box 389, Colombo
Fotic Lal Seal & Sons, 19, Swallow Lane, Calcutta
General Incandescent Light Co, 14/4, Old China Bazar St, Cal
Henry B Lyon, 175A, Lower Circular Road, Calcutta
Indian Bottle Stores, 7, Ezra St, Calcutta
J Mayr, 1, Mission Row, Calcutta
Kanai Lal Dhur 11, Swallow Lane, Calcutta
Khan Mohamed & Bros, 28/16, Old China Bazar Str, Calcutta
Koonjo Behari Chandra & Sons, 10/1, Swallow Lane, Calcutta.
M D Rahmat Ellahi & Bros, 73, Colootola Street, Calcutta
Naran Chandra Dey, 2, Swallow Lane, Calcutta
O T Kader Basha Sahib & Bros, 17 Ezra Str, Calcutta
R D Dutt & Bros, 79/2, Harrison Rd, Calcutta
Rajabally Lokmanjee & Co, 212, Old China Bazar Str, Cal
S Md Ishaq Md Idris, Glassware House, 73, Colootola Str., Cal
S Mohamed Said & Bros, 73, Colootola Street Calcutta.
S N Paul & Bros, 186, Old China Bazar Str, Calcutta
S P Singha & Co, 67, Ezra Str, Radhabazar, Cal (Also Corks)
Sankarlal Paul & Bros, 184, Old China Bazar Str, Cal.
Sat Cowri Das, 196, Old China Bazar St, Calcutta

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Satya Charan Pal, 194, Old China Bazar St, Calcutta.
Sikri Bottle Stores 9, Ezra St, Calcutta
Sitanath Law & Co, 1/3 Swallow Lane, Calcutta
Woomachurn Dey, 180 & 181, Old China Bazar Str, Cal (Also Coirmats brushware, & lampware)

DELHI.

Calcutta House, Suddar Bazar, Delhi
Dhanpat Rai & Son, Delhi
Himalaya Trading Co, Fatehpuri, Delhi
Md Shafi & Co, Near Qutab Rd Delhi
Mohammad Arif Co Saddar Bazar Delhi
Ram Chand Tara Chand, Opp Civil Hospital, Delhi

INDIAN STATES.

Choonilal B Mehta, Station Rd, Bhavnagar, Kathiawar
D Aziz & Company, Shroff Bazar, Bhavnagar, Kathiawar
Damodar Das Nagory, Lashkar, Gwalior
International Agency Shroff Bazar, Bhavnagar
Kolhapur Trading Agency, Feris Market, Kolhapur
Nathoo Laljee, Hill St Secunderabad Deccan
Sree Rama Krishna Stores, Sree Krishna Bldgs, Maleswaram, Bangalore

KARACHI

Abdul Rahim & Sons, Elphinstone Street Karachi (Also Crockery ware)
Byramji Edulji & Co, Victoria Rd, Karachi
Ebrahimji Esmailji Lotia, Bunder Rd, Karachi
Haji Zakaria Abdul Satar Booras Street Camp, Karachi
Hassan Ali Mamoonjee & Sons, Marriott Rd, Karachi. (Looking Glass)
Household Stores, Elphinstone St, Camp, Karachi
Jyabali Khadibhoy & Co, Bunder Rd, Karachi
T Vishindas & Co, Bunder Rd, Karachi
Tayabali Khadhibhoy Lotia & Co, Rambharthi Rd, Karachi

LAHORE.

Maher Singh Sapuran Singh Chawla, The Mall, Lahore

MADRAS CITY.

Abdul Rahim & Bros, 13, Evening Bazar Road, Madras
P Thiruvarangiah, 172, Devaraja Mudali St, Madras
Poppat Jamal & Bros, Jamal Building Broadway, Madras
R Ramanujah 87/88, Devaraja Mudaly St Madras
Sahibjan Sahib, 130, Naimappa Naick St, Madras (Glass Bead)

MADRAS PRESIDENCY.

A Ram Bhat & M Srinivas Prabhu, Car St, Mangalore. S. Kanara (Also Cotton).

N W. F. PROVINCE.

Peshawar House Peshawar City

PUNJAB

A N Malik & Son Muree Road, Rawalpindi
Amir Chand & Sons Rawalpindi Cantt
Upper India Glass Works, Ambala City

RANGOON.

Dadabhoy & Sons, Dalhousie St, Rangoon

UNITED PROVINCES.

Bharat Business Co, Nagina, Bijnor (Glass Phials)
Gul Pd Hira Lal, Chowk, Allahabad
Hanuman Glass Works, Firozabad, E I Ry
R Avasthi & Company, Noughara, Cawnpore (Bottles)
Sote & Co, Bijnor, U P

GLASS BANGLES MANUFACTURERS.

BOMBAY CITY

Bhogilal Rajaram, 59, 3rd Bhorwada, Bhuleswar, Bombay 2.
Bombay Acid Proof Bangles Co, Bandra, Bombay
Bulakidas Kasturchand, 3rd Bhowada, Bhuleshwar, Bombay 3

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C Merwanji & Co, 154, Bazar Gate Street, Fort, Bombay
Chhogmal Rakhabji & Co, 108, Bohra Bazar St, Fort, Bombay
Chhogalal Tarachand & Co, Abedin Bldg, Bhindi Bazar, Bombay
Dinshaw Hormusji & Co, 20, Goha Street, Fort, Bombay 1.
F F Kavarana & Co 234, Musjid Bunder Road, Bombay 3
Hiralal Mohanlal, Banian Road, Bombay 9
Maksudhusain Sakhavathusain 3rd, Bhoiwada, Bhuleswar, Bombay 2
Manchershaw Hirjibhoy & Co, Bazar Gate St Fort, Bombay
Maniar Maksal Husen Sakhauat Husar 3rd Bhoiwada, Bhuleswar, Bombay No 2
Maniar Rahimuttalla Karimbhai 3rd, Bhoiwada, Bhuleswar, Bombay No 2
Manockji Pallinji & Co, 45, Bazar, Gate Street, Fort, Bombay
Mukund Jairamshe Dangre, 3rd Bhoiwada, Bhuleswar Bombay
Nanchand Gulabchand Kalbadevi Road, Bombay 2
Pavri Sons & Co, 95 97 Bazar Gate Street Fort Bombay
S C Karanjia & Co Bazar Gate Street, Fort, Bombay
Sha A Ramanlal & Co, 153 Bazar Gate St Fort Bombay
Sha Aidanji Sajaji & Co, Bazar Gate St, Fort, Bombay
Sha Bulakhidas Kasturchand, 3rd Bhoiwada Bhuleswar, Bombay
Sha Fojmal Kapoorchand & Co, 186 Bazar Gate Street, Fort, Bombay
Sha Juharmal Motiji & Co, Bazar Gate St, Fort, Bombay
Sha Navlaji Dipaji & Co, 67-69, Bazar Gate St Fort, Bombay
Sha Premchand Bhulaji & Co, 122, Bazar Gate Street, Fort, Bombay
Sha Ratilal Bhagwanji & Co, 160, Bazar Gate St, Fort, Bombay
Sha Ravashanker Jetha, 3rd Bhoiwada, Bhuleswar, Bombay No 2
Sha Rikabchand Amichand & Co, Bazar Gate St Fort, Bombay
Sha Sakalchand Dalichand & Co, 108, Bazar Gate St, Bombay
Sha Sitaramji Kaniramji Vihani & Co 82, Bazar Gate Str, Fort, Bombay
Umiashanker Prabhashanker & Co 3rd Bhoiwada, Bhuleswar, Bombay 2

BOMBAY PRESIDENCY.

N G Works Chinchani, Thana

CALCUTTA.

K L Manna & Co, 37/1/1, Canning Str, Calcutta
Mohammad Shah 102 Canning Str Calcutta
S C Dutt & Sons 105 Canning Str, Calcutta
S H Abdul Aziz, 52 Canning Str Calcutta
Sheikh Haji Rakhal 109 Canning Str Calcutta

INDIAN STATES.

Bangle Glass Mfg Co, Cheralai Rd, Cochin
Bhagwat & Co Kolhapur
C A Moulabux Jodhpur

UNITED PROVINCES.

Basdeo Balkrishna Baugh Cutting Factory, Firozabad, Agra
Garwardhari Lall Mohan Lall Agarwal, Firozabad
Hanuman Glass Works Firozabad, Agra
Indian Glass Works, Firozabad
Radhamohan Ratanlal, Firozabad, Agra

GLUE DEALERS & MANUFACTURERS.

Atlas Glue Factory, Amritsar
Bansidhar Dutt 126, Khengraputty Street, Calcutta (Indian Drug)
Cawnpore Leather Industries, (Regd), Cawnpore
D A Devieson & Co, 22, Canning St, Calcutta
Dhoommal Dharamdas, Chaori Bazar, Delhi
Eastern Merchants, 14, Old Court House Lane, Calcutta
M P Gupta & Co, Kursawan, Cawnpore
National Chemical Industries, 135, Canning Street, Calcutta

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Shaw Wallace & Co, Fertilizer Dept, Bankshall Str, Calcutta (Also metal)

Zenith Ink & Gum Products Co., 347/1, Upper Chitpore Road, Calcutta

GOLD & SILVER THREAD MANUFACTURERS.

BOMBAY PRESIDENCY.

Amritbhai Jethabhai, Mancherpura, Surat
Atmaram Bulakhidas, Mancherpura Surat
Babubhai Nathbhai Moti Seri, Surat
Bhagvandas Lallubhai, Laldarvaja, Gundiseri, Surat
Bhaichand Gulabchand, Mancherpura, Surat
Bhukhamdas Ambaram, Mancherpura Surat
C B Nanavati Limboosery, Surat
Chunilal Maneklal, Mancherpura, Surat
Ghelabhai Dayaram Shikari Mancherpura Kolsavad Surat
Govindbhai Durlabh Moti Sheri, Surat
Gulabchand Kashiram Mancherpura, Surat
H B Nanavati Mahidharpura, Limbuseri, Surat
Harkisandas Jamnadas Motiseri Surat
I C Gandhi, 462 463, Limbu St, Surat
Jagmohanlal Dahyabhai, Laldarvaja Gundi Seri, Surat
Jekishandas Ramsa, Gopipura, Surat
Maganlal Jamanadas, Mancherpura, Surat
Motiram Pramchand, Mancherpura Surat
Nathubhai Vithaldas, Mahidharpura Baliseri Surat
Ranchhoddas Jagjivandas, Motiseri Surat
Rangildas Uttamram Mancherpura Kharadiseri, Surat
Shantilal Mohanlal, Chhapariaseri, Surat
Sita Ram Kandas, Rampura Rd, Surat
Thakordas Balabhai Patel, Lumbusheri, Surat
Thirajram Tribhovandas, Sagampura, Surat
Vaju Bhai Chunilal, Gopipura, Surat
Vighhukhandas Aditram, Mancherpura, Surat

DELHI

Behari Lal Pearey Lall, Fatehpuri Bazar, Delhi
Kanshi Ram Bala Parshad, Gold Thread Factory, Delhi
Krishna Gold & Silver Thread Factory Delhi

INDIAN STATES.

P Subramania Chettiar, Chalai, Trivandrum Travancore
S M Dhaktappa & Sons, Chickpet Bangalore

MADRAS CITY

Indian Gold Thread Mills, 54, Kommar High Rd Iyanavaram, Chingleput, Madras
K M Subbier & Sons 104, Naimappa St, Madras

MADRAS PRESIDENCY

Indian Gold Thread Mills Ltd, 191 Palace Rd Madura
Peirce, Leslie & Co Ltd, Combatore

UNITED PROVINCES

Benares Industries Ltd Chowk Benares
Gulab Chand Lakhmi Chand, Rinari Bazar Agra
Ram Das Shyam Das, 37/100, Gopal Mandir Benares City.
Tirshul Gold Thread Mfg Co. Ltd, Benares

GRAINS & SEEDS DEALERS.

ASSAM.

Jadormall H Bux, Barpeta Road, Kamrup (Mustard)
Onkar Cotton Mill, Salmara South, Dhubri, Assam. Prop: Onkarmal Jwala Prasad.

BENGAL

Amulya Charan Biswas, Banpur, Nadia
Benarashi Lall, Plassey, Nadia (Arhar, Gram, Linseed, etc)

Let me Distribute Your Circulars throughout India, Burma & Ceylon at Wonderfully cheap cost. Trials Free. B. Dutt, Circular Mailer, Gauhati.

Dina Bandhu Hari Bandhu Saha, Sarisabari, Mymensingh
Gopinath Bonomali Basak, Sarisabari, Mymensingh
Khedan Ram Rangyatam Ram, Tulshihata, Malda (Mustard)
Kishori Rice Mills, Contai Road, P O Belda, Midnapur Dt., B. N. Ry.
Mahesh Chandra Saha, Arani, Rajshahi
Mukunchand Behari, Malanda Bazar, Mymensingh (Mustard)
Naresh Chandra Singh, Bongaon, Jessore
P C Saha, Arani, Rajshahi
Ranjit Kanta Das, Santipur, Nadia (Kalai).
Sanjit Kumar Paramanick, Gangnnpur, Nadia (Kalai, moog, Masoor and matar)
Sewjee Ram Chopua Bhurungamari, Rangpur (Mustard)
Srish Chandra Saha, Chatmohar, Pabna (Kalai, mosur, khesari and matar)

BIHAR

Badudas Rangilall, Salmari, Purnea (Mustard)
Bhagbatiram Baburam, Behariganj, Bhagalpur
Bhagwan Dass & Co, Sultanpore, Dinapur, Patna
Bhartia Bros & Sons, Raxaul, Champaran
Bichai Majee, Kasba, Purnea, (Khesari)
Chouthmall Askeram, Behariganj, Bhagalpur (Mustard)
Heeralal Gadadher Prasad & Sons, Ehwari Mansion, Beapur, (Patna)
Ramji Lall & Sons, Dinapore, Cantt, Patna

BOMBAY CITY.

Chandulal Jamnadas Vakharia, Gaya Building, Musjid Bunder Rd Bombay
Damji Pragji & Co, 4th Lane, Dana Bunder, Bombay
Hajee Karmally Kassam & Co., Habib Building Palagali, 6, Samuel St., Bombay.
Karabhai Ramji, 33, Kurla Street, Bombay.
Lalji Poonsi & Co., 3, Chinch Bunder Rd., Bombay 9.
Mulji Devshi & Co., 1st Lane, Broach Street, Dana Bunder, Bombay
Nagindas Sarupchand, Chinoy Building, Musjid Bunder Road, Bombay (Linseed, Wheat and Cotton)
Popatlal Moolchand, Gaya Bldg, Musjid Bunder Road, Bombay.
Premji Devji & Co, 3rd Lane, Dana Bunder, Bombay
Ramratan Modani, Clive Rd, Dana Bunder, Bombay. (Wheat)
Ravji Ganpat & Co, "E" Lane, Dana Bunder Bombay
Shamji Dongarsey, 13-19, Surat Street, Dana Bunder, Bombay
Vala Peraj & Co, Opp Tower, 13, Gunbow Street, Bombay
Veerappa Andanappa Agadi, 11-13, Mint Road, Fort, Bombay.
Velji Lukhamsi & Co, 63, Broach St, Mandvi Bombay

BOMBAY PRESIDENCY.

Adam Hajee Umar, Belgaum, M S M Ry
Dawood Gani Hassam, Nasik
Dawood Moosa Kassam, Hubli, Dharwar
Ebrahim Hajee, Nasik
Hajee Dawood Osman, Jalgaon, E Khandesh
Haji Mohamed Hoosen, Chalisgaon, Jalgaon
Hurilal Khulshal, Bazar St, Dharampur, Surat.
Hajeeahmed Hajee Abal, Bagalkot, Bijapur
Kailapa Dumane, Mangalwarpeth, Sholapur
Kasamji Mohmedji & Co., Bilimora, Surat.
Noormohmed Ali Abdula, Nipani, Belgaum
Thakar Karsonji Visanji, Patni Bazar, P O. Anjar, (Cutch).

BURMA.

A E Salehjee & Co, Silver Str Akyab Burma.
Sulema Alimohamed, Silver Str, Akyab, Burma

CALCUTTA.

Adam Hajee Peermohamed Essack, 1. Amratala Lane, Cal

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Abdul Rehman Hajee Karim, 12, Amratola Lane, Calcutta.

Gillooram Gaurishankar, 92, Bansfolla Str., Calcutta.

Gooliram Deelraj, 26, Burtoulla Street, Calcutta

Hajee Adam Abdul Shakoor, 15, Amratala Lane, Calcutta.

Hajee Habib Hajee Peermohamed, 4, Amratala Lane, Calcutta.

Hajee Sattar Hajee Peermohamed, 9, Amratala Lane, Calcutta.

Hoosen Kassam Dada, 26, Amratalla Lane, Calcutta.

Mohamed Hajee Gani, 11, Amratala Lane, Calcutta.

Mohamed Ibrahim Mohamed Jaffer & Co., 16, Amratola Lane, Calcutta.

Saleh Mohamed Hajee Kassam, 23, Amratala Lane, Calcutta.

Shakoor Hajee Gani, 10, Amratalla Lane, Calcutta.

Syambar Singh, Hari Sankar Singh, 192/3, Harrison Rd., Calcutta.

CENTRAL PROVINCES.

Abdul Shakoor Umar, Wun, Berar.

Adam Gani Billoo, Drug, Bhatapara, Raipur

Adam Hajee Kassam, Katol, Nagpur; Itwara, Nagpur.

Adamjee Osman, Itwari Bazar Nagpur.

Alimohmed Essa, Chhindwara.

Hajee Dawood Osman, Akola, Khamgaon, Malkapur, Berar.

Hajee Karim Habib, Ellichpur, Berar.

Hajee Mohmed Hoosen Kassam, Akaltara, Bilaspur.

Hajee Rehimtula Latif, Dhamangaon, Berar.

Hajee Salehmohamed Essa, Amraoti, Berar.

Hajee Valimohamed Hajee Moosa, Nanded, N. G. S. Ry.

Hassam Abdul Shakoor, Bhatpara, Raipur.

Rama Chandra Rao & Sons, Bandubpur, Damoh.

Shakoor Husab, Amraoti, Berar.

Suleman Mohamed, Bilaspur.

DELHI.

Behari Lal Kedar Nath, Khari Baoli, Shradhanand Bazar, Delhi.

Chandu Lal Surai Mal, Naya Bazar, Delhi.

Hardeo Sahai Nand Ram, Khari Baoli, Delhi.

Ram Gopal Bhagwan Dass, Naya Bazar, Delhi.

Udmi Ram Bhajan Lal, Naya Bazar, Delhi.

INDIAN STATES.

Abdul Aziz Hajee Hassam, Indore, Ujjain, C. I.

Abdulrehman Hajee Ebrahim, Kolahpur, M. S. M. Ry.

Dawood Abdulla, Begam Bazar, Hyderabad, Deccan.

H. M. Venkataramana Setty, Kadur, Mysore.

Hajee Ahmed Hajee Abal, Gulbarga, Deccan.

Hajee Dawood Hajee Gani, Chamrajpeth, Bangalore City.

Hajee Habib Hajee Peermohamed, Santapeth, Mysore; Old Taraq Peth, Bangalore City.

Haji Yoosuf Haji Mohamed, Near Bhagwatshinji High School, Dhoraji, Kathiawar.

K. Ramanna & Bros., Santhejet, Mysore.

Kala Pitambar, Junagadh, Kathiawar.

Kevel Ram Nehal Chand, Mandi, Bahawalpur. (Wheat).

Magadi Srinivasa Rangiah, Kadur, Mysore.

Makum Seetharama Setty, Kadur, Mysore

Malali Venkatappa, Kadur, Mysore State.

Muhammad & Co., Aboobucker Hajee C., Quilon, Travancore.

Pampanna Kashappa Shettar, Koppal, Nizam's State.

Suleman Abdul Gani, Nizamabad.

Tayoob Ahmed, Santapeth, Mysore.

KARACHI.

Basantlal Ramkumar, Serai Road, Karachi.

Salleh Mohamed Oomer Dosal, Dosalani Bldg., Napier Road, Karachi.

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Strauss & Co, Ltd, McLeod Rd, Karachi
Vishinji Sons & Co, McLeod Rd, Karachi.

MADRAS.

Adam Hajee Peermohamed Essack, Anderson Str, Madras
Hajee Habib Hajee Peermohamed, Anderson Street, Madras
Hooseu Kassam Dada, Anderson Street Madras

MADRAS PRESIDENCY.

Adam Noormohamed Guntakal, M S M Ry
Ahmed Abdul Karim Hospet, Bellary
Gani Hajee Noormohmed, Arsikere, Hassan
Hajee Ebrahim Latif Adoni, Bellary
Hajee Jamal Noormohamed Vizagapatam
Karim Hamed, Bellary, M S M Ry.
Karim Latif, Anakapalle Vizagapatam
Namguluri Venkateswararao Ratnam, Ellore (W Godavari Dt)
S P V Thillaichidambara Nadar, Aruppukottai Ramnad
T R Balakrishna Reddiar, Vellore
T Sivaparankiri Aruppukottai, Ramnad

ORISSA.

Jamal Noor Mohamed, Behrampur, Ganjam
Sree Sitarama Vastralayam, P.O Nuvapada, Via Ichapur, Ganjam, B N Ry
Farmohamed Janoo, Cuttack

PUNJAB.

Convillepur Farm, Montgomery, Punjab (Cotton and Wheat)
S S Mela Singh & Son, Chowk Baba Atal, Amritsar
Thakar Das Mulk Raj, Kanok Mandi, Sialkot City

UNITED PROVINCES

Babooram Mahadeo Prasad, Chunar U P
Hajee Dawood Hajee Moosa, Near Jama Masjid Agra
Hajee Habib Kassam, Collectorganj, Cawnpore
Hajee Osman Ahmed, Naya Ghat, Agra
Hazarilal Ganeshilal, Bailanganj, Agra
Kashi Ram Zaharmal Colonelganj, Muttra
Kasoomri Das Shiam Lal, Kaiserganj Meerut, U P
Lachhman Prasad Gauri Shanker, Madhoganj, Hardoi, U P
Rehmtula Gani, Etawah U P
Seth Amritlal Gulzarilal Ramwala Firozabad, Agra

GRAMOPHONE DEALERS.

(Also see Musical Instruments Dealers).

Babras Musical & General Agency, 20E Mayo Road, Moghalpura, Lahore

Bee-K-Gramophone Co, 183/2, Dharamtolla Street, Calcutta

Bengal Stores Ltd., 8-A Chowringhee Place, Calcutta. M/A Birla Bros. Ltd.

Bol's Radio Supply Co, Rosedale, Lonavala.

Bombay Phono & General Agency, 518-20-22, Kalbadevi Road, Bombay

C C Saha Ltd, 170, Dharamtala Str, Calcutta.

Carr & Mahalanobis Chowringhee, Calcutta.

Cawnpore Gramophone Agency, Mall Cawnpore.

Columbia Music Mart, Grosvenor House, Calcutta,

Edisonia Gramophone Company, Ajmer

Enterprising Society, 43/1, Upper Circular Rd, Calcutta

Gopal Sakharam & Co, 397-99, Kalbadevi Road, Bombay 2.

K C Dey & Sons, 80 Lower Chitpur Road, Calcutta

M L Shaw Ltd, 5/1, Dharamtala Street, Calcutta

Megaphone Co, 77/1 Harrison Road, Calcutta.

Misri Flute Co. & Music Warehouse, Chowk Bazar, Aligarh, U. P.

Mukherji, Nephew & Co, Kalyani, Muzaffarpur

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Mullick Brothers, 182, Dharamtola Str., Calcutta.
Musical Products Ltd., 16, Rampart Row, Fort, Bombay.
N. B. Sen & Brothers, 21, Chowringhee Road, Calcutta.
Orr's Columbia House, Mount Road, Madras.
Sellman & Maker Inc., Belgachia, Calcutta.
T. E. Bevan & Co., Ltd., 21, Old Court House St., Calcutta.
Universal Trading Corporation, P.O. Box 2042, Bombay 2.
Vasanta & Co., 595, L. J. Road, Dadar, Bombay.

GRAMOPHONE RECORD MANUFACTURERS.

Hindusthan Musical Products & Varieties Syndicate Ltd., 6-1, Akrur Dutt Lane, Calcutta.
Indian Gramophone Co., Ltd., 33, Jessore Road, Calcutta; 28, Rampart Row, Fort, Bombay.
Megaphone Co., 77/1, Harrison Road, Calcutta.
National Gramophone Record Mfg. Co. Ltd., 92, New Stock Exchange Bldg., Fort, Bombay.
Senola Recording Dept., 44/1, Creek Row, Calcutta.
Viel-O Phone Co., Mahim, Bombay 16.

GROUNDNUT DEALERS.

MADRAS CITY.

Hasam & Kasam Ayoob, 9-10, Anderson St., Madras.
Louis Dreyful & Co., 99, Armenian St., P. O. Box No. 112, Madras.

MADRAS PRESIDENCY.

B Venkatasami Chetty & Subbiah Chetty, Badarpet, Kalahasti.
G Subbiah Chetty & Seshappa Chetty, Anantapur.
G. Venkatesayya, Decorticating Factory, Kadiri, Anantapur.
Guduthur Thinappa Bros., Bellary.
K. Muniswamy Chetty & Co., Badarpet, Kalahasti.
Kistna Subbiah Ginning and Groundnut Shelling Factory, Tadpatri, Anantapur.
Kottah Punnah & A. Rungiah, Guntur.
Lakshminarayan Ginning & Groundnut Shelling Factory, Nallagath, Kurnool.
M. K. Chidambaram & Co., Karur, Trichinopoly.
Medum Subhanna Chetty's Ginning & Groundnut Shelling Factory, Kurnool.
Mudi Basappa Balloli, Gadag.
Pakkam Errappa & Bros., Uravakonda, Anantapur.
R Timmalai Chettiar, Valavanur, S. Arcot.
Raya Rungiah Naidu, Pakala, Raichur.
Sabapathi Cotton Press & Groundnut Decorticating Factory, Tadpatri, Anantapur.
Sanjivappa & Sons, Adoni.
Seth Dyalal Rowjee, Bhavani Rd., Erode.
Sri Satyanarayana Rice & Groundnut Factory, Chipurupalle, Vizagapatam.
Sri Venkateswara Karkhana, Decg. & Turmeric Polishing Factory, Cuddapah.
T. Pachamuthu Chettyar, Fort, Erode.
Thallam Muniah Chetty, Gin & Shelling Factory, Tadpatri, Anantapur.
V. R. Patnekar & Sons, Market, Belgaum.
V T. Ramasami Iyer, Valavanur, S. Arcot

GUM, LIQUID, DEALERS.

Bansidhar Dutt, 126, Khengraputty Street, Calcutta. (Indian Drug).
Bengal Miscellany, 174, Manicktola Main Road, Calcutta.
Bengal Paste Co., 10, Dehi Entally Rd., Calcutta. (Laikol).
D. Harchandrai & Co., Bunder Road, P.O. Box 87, Karachi.
Das & Co., 60, Sikdar Bagan St, Calcutta.
Dhoomimal Dharamdas, Chaori Bazar, Delhi.

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Gorden's Gum, Bunder Rd., P.O. Box 87 Karachi.
Maher Chemical Works, 49, Naigum Road, Dadar, Bombay.
Pearl Industrial House, Suddar Bazar, Rawalpindi. (Office paste).
S. Dauchi & Sons, 100, Faridabad, Dacca.
Tombare & Sons, P.O. Chinaval, E, Khandesh.
Zenith Ink & Gum Products Co., 347/1, Upper Chitpore Road, Calcutta.

GUNNY BROKERS.

Damodardas Lalji & Co., 30, Mirchi Lane, Mandvi, Bombay.
Jute & Gunny Brokers Ltd., 8, Royal Exchange Place, Calcutta.
Luchminarain Kanoria & Co., 134, Canning St., Calcutta.
Ramji Govindji & Co., Rambaugh St., Karachi.
Tulsi Dass Mukh Raj, Naya Bazar, Delhi.

GUT DEALERS.

Ad. Meyer, 5, South Tangra Rd., Calcutta.
Coxwell & Co., Sialkot City.
Hajee Gani Mohd Master & Co., Mahfuzkhan's Garden, Madras.
Mohamed Sulaiman & Co, G. 25, Mahfoozkhan's Gate, Madras.
Popular Tennis Gut Factory, Hide Market, Amritsar.
Regal Arts Society, Sialkot City.
Sh. Noordin Firozedin Rahimvar Khan, Bahawalpur State.
Tennis Gut Co., Sialkot City.

HANDKERCHIEF DEALERS.

A. S. Bishamber Rumal Factory, Sudder Bazar, Delhi.
Bengal Stores Ltd, 8-A, Chowringhee Place, Calcutta. M/A. Birla Bros. Ltd.
Calcutta Rumal Factory, Delhi.
Ghanshamdas Teekchand, Old Market, Karachi.
Kumaraswamy Naidu & Sons, C. S. C. 37, Basavyan Street, Washermanpet, Madras.
M. M. Jamal Mohamed Hussain Bros., Chowk, Triplicane, Madras. (Also Lungi).
National Rumal Factory, Delhi

HARDWARE MERCHANTS.

ASSAM.

Mahammed Eda Khan, Gauhati. (Exporter).

BENGAL.

Hanutram Lekhram Agarwala, Kurseong P.O., (Bengal).
House of Laborers Ltd., Comilla
Kamalbasini Debi, Katwa, Burdwan.
Mati Lal Sircar & Sons, Lohagara P.O., Jessore Dt.

BIHAR.

Behar Commercial Co., Machharhatta, Patna City.
Ganesh Lall Mohesh Lall, Naubatpur, Patna.
Ghosh Brothers, Bankipore, Patna.
Iron Washer Mfg. Co., Hazaribagh Road, P.O. Suriva, Dt. Hazaribagh.
Ramchandra Ram, Chaibassa, Singhbhum.
Ramgulam Sah Naubat Ram, Maharajganj, Dt Saran.
S. Rahim Buksh & Bros., Bankipur, Patna.

BOMBAY CITY.

A. Hatimbhoy & Co., Carnac Bunder, Bombay No. 3.
A. Narandas & Co., 59, Lohar Chawl, Bombay.
B A. Husen & Co., 120, Lohar Chawl, Bombay 2.
B. Odhavji & Co., Carnac Bunder, Bombay.
Bombay Tube & Hardware Mart, 26, Nagdevi St., Bombay.
British Mannesmann Tube Co., Ltd., Wakefield House, Sprott Rd, 16, Ballard Estate, Bombay; C-6, Clive Bldgs., Clive Street, Calcutta.
Gibbs Trading Co., Mahindra Mansions, Esplanade Rd., Bombay

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H A Khambaty & Co, 13 Lohar Chawl, Bombay
Jamnadas Chaturbhuj & Bros, 92 Vithalwadi, Bombay 2
Kooverji Deoshi & Co Lohar Street Bombay
Kurwa & Kajiji, 142/44 Abdoor Rehman Street Bombay
M Dawoodbhai & Bros, Harar walla Building, Lohar Chawl Bombay
M M Thakar, Carnac Bunder, Bombay
Mahimkar & Co, Ramchandra Bldg Ardeshir Dady Street, Bombay
N Adamally & Sons 277, Nagdevi St Bombay 3 Br —Surat
P S Parekh & Co 38, Nagdevi Cross Lane Bombay
Paramanand Nadavji Modi, Iron Market Carnac Bunder Bombay
Pestonji Chhotalal & Co, Carnac Bunder Bombay
Salim & Co, 476 Kansara Chawl Kalbadevi Rd Bombay
Shantilal Parmanand & Co, Carnac Bunder, Bombay, 3
Solem Hardware Mart 309, Hornby Road Bombay
Somsoodin Baboojee & Sons, 171, Nagdevi Street, Bombay
Stewarts & Lloyds Ltd. P O. Box No 265 Bombay
Trivedi & Co Navsari Chambers, Fort Bombay

BOMBAY PRESIDENCY

Dinshawji Burjorji Khilawala, Bilimora Surat
Hiralal Balubhai & Co. Kanpith Bazar Surat
Mistry Narayandas Bhagvandas, Bechar Road Bulsar, Surat
Naranlal Talakshibhai Parikh Patri Ahmedabad
Sukarchand Chhaganlal & Co., Near Swaminarain's Temple, Nadiad, Kaira
Sidramapa Haibatepa Dargopatil, Yokhand Galli Sholapur
Tribhovan S Gandhi Ahmedabadi Bazar, Nadiad, Kaira
Vishwanath Mechanical Works, Navipeth, Sholapur

BURMA.

M E Dadabhoy & Sons, 506, Dalhousie St, Rangoon
Crown Stores, Bazar Rd, Tavoy

CALCUTTA

A N Hussunally & Co, 28, Strand Road, Calcutta (Also Metal & Machinery)
A S Abdullabhoy & Co, 81, Clive Str, Calcutta
A T Ali Husain & Co, 29 Strand Road Calcutta
Anandji Haridas & Co Ltd, Meer bohur Ghat, Lohaputty, Calcutta
B Chatterjee & Co, 84A, Clive Street, Calcutta
B N Chatterjee & Sons 36, Benia Pukur Road Entally, Cal
Bombay Hardware Mart, 82, Clive Street Calcutta
B T Dutt & Co 84A, Clive Str, Calcutta
Bhoctnath Mookerjee & Co, 12, Raja Woodmount Str Calcutta
Calcutta Wire Netting Works, 18, Raja Woodmunt Str, Calcutta
D I Singha & Co 26 Wellington Str, Cal (Spiral Stair)
Dey Ghose & Co 133, Chandney Chowk Calcutta
Diana Engineering Co 31 Clive Str Calcutta
F H Taher & Co 86 Clive Str., Calcutta
G S De & Co 84/A, Clive Str. Calcutta
General Stores Supplying Co, 137, Canning Str Calcutta
General Traders Syndicate 84A, Clive Str, Calcutta.
Ghose Mundal & Co 84A, Clive Street, Calcutta
Gopal Chunder Dass & Co., Ltd, 24, Raja Woodmunt Str., Cal.
Gosto Behary Mullick & Sons, 71/C, Clive Str, Calcutta (Also Mills Colliery, Tea Garden Stores)
H C Roy & Co, 13, Clive Str., Calcutta (Also Metal)
J B Nundy, 73 Clive Str, Cal
J C Ghosh & Co, Ltd, 78, Clive Str Calcutta
Khan Pal Chowdhury & Co, 84/A, Clive Str, Calcutta

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M. L. Chatterjee & Co., 1A, Sovaram Bysak Str., Calcutta.
Model Engineering Stores, 84/A, Clive Str., Calcutta.
Mohanlal Karsandass, 81, Clive Str., Cal.
N. A. Hussunally & Co., 28, Strand Road, Calcutta.
N. P. Coomar & Co., 16, Raja Woodmunt Str., Calcutta.
P. B. Shah & Co., 84/A, Clive St., Calcutta.
P. C. Datta & Sons, 84A, Clive St., Calcutta.
P. C. Mukherjee & Sons Ltd., 78, Clive Str., Calcutta.
P. V. Dass & Co., 78, Clive Str., Calcutta.
P. M. Sarcar & Son, 26, Wellington Str., Cal.
Purushottam Ramji, 49, Ezra Str., Calcutta.
R. C. Kar & Co., 113, Monahar Das Chauk, Barobazar, Calcutta.
Railway Engineering Co., 33/4, Middle Road, Entally, Calcutta (Pruning knives, grills, etc.).
Rasicklal Ghosh & Sons, 30 Wellington Str., Calcutta.
S. Dey & Brother, 18, Durmahatta Street, Calcutta.
S. C. Guin & Bros., 43, Clive St., Calcutta
Satyendra Mohon Nandy & Kalipada Nandy, 39, Wellington St., Calcutta.
Seal & Co. Ltd., 83, Clive Str., Calcutta.
Shamji Jutha Bhai, 84A, Clive Str., Calcutta.
Standard Metal Co., 77/1, Clive St., Calcutta.
Stewarts & Lloyds Limited, 6, Royal Exchange Place, Calcutta. (Tubes).
Subol Dutt & Sons, 39, Clive Str. Calcutta. (Also Tools).
Suresh Chandra Mukherjee & Co., 11, Raja Woodmunt Str., Cal.
Surendra Nath Ghose & Co., D/12, Juggernath Ghat Lohapatty, Bara Bazar, Calcutta.
Wellington Hardware Stores, 19/2, Wellington Str., Calcutta.

CENTRAL PROVINCES.

Harish Chandra & Sons, Bandubpur, Damoh.
Khan Saheb M. Hassonjee & Sons, Itwari Bazar, Nagpur City. (Also Electrical).
Sabir Ali & Bros., Damoh.

DELHI.

Dhoomimal Dharamdas, Chaori Bazar, Delhi.
Himaliya Works, Harish Bhavan, Chaori Bazar Delhi.
Madan Lal & Co., Chawri Bazar Delhi.
Madho Ram Budh Singh, Chawri Bazar, Delhi.
Reyazud Din Jamalush Din, Fatehpuri Bazar, Delhi.

INDIAN STATES.

Abdulhusain Mulla Jivajee Harianavala, Dhal Road, Junagadh, Kathiawar. (Also Glass, Paint).
Abdul Sathr Haji Ayoob, Mattancherry, Cochin.
Ansari Brothers, Amin Bldgs., Patiala.
B. V. Narayana Swami & Co., Bangalore City, Mysore.
Chandar Lall Gopalal & Sons, Bakliwala Bldgs., Gwalior.
Dalsukhrav Bhaishanker & Co., Gohar Bag, Bilimora, Baroda.
Gulam Hussain & Co., Mattancherri, Cochin.
Habib Ebrahim Kachwala, Bantva, Kathiawar.
Hajee Dawood Moosa, Bantva, Kathiawar.
M. Abdul Khodir Sahib, General Bazar, Mysore.
Maganbhai S. Patel, Gendi Gate Road, Baroda.
Nanjundappa & Sons, Amvedasrama, Mysore.
Pirbhai Noorbhai Morvi, Kathiawar.
R. K. Ebrahim & Sons, Chickmagalore, Mysore.
Rasiklal Jagjivandas Desai, Sankheda, Baroda.
Sri Ram Bharadwaj Iron Industry, Doddapet, Mysore.
Zulf & Co., Lohari Gate, Patiala. (Also Machinery).

KARACHI.

Abdul Hussein Karimji Marvi, Bunder Road, Karachi.
Dhaniram & Sons, Bunder Road, Karachi. Br:—Lahore.

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Ismailjee Alibhoy & Son, (Feroze porwala), New Market Road, Karachi
Karachi Hardware Mart, Market Road, Karachi
M Chhotalal & Co, Marriot Rd, Karachi
M Sukdev & Co Serai Road, Karachi (Also Metals)
Madhoram Hardevdas, McLeod Road, Karachi
Pohoomal Bros 54 New Cloth Market Karachi
Tyabally Moosaji, Bunder Road, Karachi

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Charanjit Lal Sethi & Sons The Mall Lahore
Dakhnimal Melaram 32 Brandreth Road Lahore
Fai Chand & Sons, Anarkali St Lahore
Kar Kar & Co Lahore Cantt

MADRAS CITY

A Ahmedally & Co, 25, Linga Chetty St Madras
A M Badruddin, 28, Linga Chetty Street, Madras
A Mahomed & Co, 313, Linga Chetty Street, Madras
A Nathamoony Chetty, 22, Vankatachala Mudali St Madras
Abdul Ali Muhamad Ali & Co, 13 Sembudoss St Madras
C Natesa Chetty 276, Rasappa Chetty St, Madras
E S Hajee, 12, Sembudoss Street, G T, Madras
Mohamedaly Sarafaly & Co, 10, Sembudoss Street, Madras
S Rajam 303, Linga Chetty St, Madras
T A Rama Row 27, Armenian Street, G T, Madras
T S Fidaally & Co, 1-44, Venkatachalla Mudaly St, Park Town, Madras

MADRAS PRESIDENCY.

A M Subramaniam & Co, Arup pukottai, Ramnad
A Palaniappa Mudaly, Bazaar St., Erode.
G V G Ramayya, Main Road, Vizagapatam
Govinda Pillai Kumbakonam Koil, East Kumbakonam
K A M A Kalipa Nadar, Palamcottah, Tinnevelly
K S Rama Iyer Calicut Malabar
K V K Shaik Routher & Bros, Palghat Malabar
M Krishna Naik & Sons Bunder St, Mangalore S Kanara
P V K Sundrasamy Chetty, Bazaar St Erode
S T Thiruvadinatha Pillai & Bros Chalai Trivandrum
St Joseph Works, Jeppo, Kankanady Mangalore, S K
T V Pallabirama Chettiar, Palghat, Malabar
V Vullikki & Sons Vearanki Lock Kistna

PUNJAB.

Art Works, Khushab, Punjab (Emery wheel & powder)
Barkat Ram Sarb Dayal, Lyallpur
Dittumall Gobindram & Sons, Gobindram St Gobindram Bldgs Sialkot City
Gopal Dass & Co, Rawalpindi
Gurditta Mall Bhagwan Dass, Gole Bazar, Lyallpur
Harnaram Anand Sarup Landour Bazar, Mussoorie,
Khemchand Rajkumar, Jullundur
Kidarnath Ramchander, Karnal
L Kanra Ram & Sons, Rail Bazar, Sargodha
Mehra Mal Besakhi Ram, Chouk Sarfan, Kasur
S S Mela Singh & Son, Chowk Baba Atal, Amritsar
Sukh Dyal Mata Dutta Mehta, Nawanshahr, (Doaba), Punjab

RANGOON.

Baggia Bros, 84, 26th Street, Rangoon
D R Kothari Co, 41, 28th Street, Rangoon
Esoof E I Dawoodjee Bros, 114, Sparks Street, Rangoon
M I Kee Bhai & Co., 57, 28th Street, Rangoon

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SIND.

Hardware & Electric Mart, Sahi Bazar, Hyderabad, Sind.

UNITED PROVINCES.

A. N. Mukherjee & Co., Godowlia, Benares City.
Agarwal Metal Stores, La Touche Road, Lucknow.
Baijnath Jwalaprasad, Bang Zawar Singh, Etwah.
Bhanamal & Co., Near Gulab Bari Park, Fyzabad City.
Duke & Co., 34, La Touche Road, Lucknow.
Himatram Kripashanker & Co., La Touche Road, Cawnpore.
Jugal Kishore Girdhari Lal, Chowk, Allahabad.
Kashi Ram Phool Chand, Pipalmandi Bazar, Dehra-Dun.
M. R. Sharma & Co., Parao Dobe, Aligarh.
Narayan & Co., 491, Colonelgunj, Allahabad.
Rickhee Nath Munnee Lall, Hatla, Cawnpore.
Shadi Ram & Sons, 33, La Touche Road, Lucknow.
Sitaram & Sons, Dehra-Dun, Br: Mussoorie.
T. L. Sharama & Co., Aligarh, U.P.
U. P. Trading Co., Delhi Gate, Aligarh.

HARMONIUM DEALERS & MANUFACTURERS.

(Also see Musical Instrument Dealers.).

Alexandra Industrials, 4, Alexandra Road, New Gamdevi, Bombay 7.
Bengal Harmonium Factory, 165, Lower Chitpur Road, Calcutta.
City Harmonium Works, 228, Ram Vilas Agrahar, Mysore.
Dwarkin & Sons, 11 & 12, Esplanade East, Calcutta.
Enterprising Society, 43/1, Upper Circular Rd., Calcutta.
Honest Brothers, Gujranwala, Punjab.
Jatin & Company, Patuatuly, Dacca.
Kailash Harmonium Works, Nai Sarak, Delhi.
L. C. Saha Ltd., 183/1, Dharamtala Street, Calcutta.
M. L. Sharma & Co., Bara Bazar Aligarh.
M. L. Shaw Ltd., 5/1, Dharamtala St., Calcutta.
Majid & Co., Jaimal Singh Str., Amritsar. Br: 14/2, Old China Bazar, Cal.
Miller & Co., 7, Lower Chitpur Road, Calcutta.
Misri Flute Co. & Music Warehouse, Chowk Bazar, Aligarh, U. P.
Mohini Harmonium Works, Sadar Bazar, Delhi.
Oriental Harmonium Factory, 11, Lower Chitpur Road, Calcutta.
R. B. Dass, 8-C, Lall Bazar St., Calcutta.
Saraswati Harmonium Factory, Cantonment, Trivandrum.
Seth Brothers, Sadar Bazar, Delhi.

HAT MANUFACTURERS.

(See Cap and Hat Dealers.).

HIDES & SKINS MERCHANTS.

BENGAL.

Ichhapore Hide Factory Ltd., Ichhapore, 24 Pergs. Office: 258, Swallow Lane, Calcutta.

BIHAR.

A. A. Blake Bros., Khyrah, Bagaha P.O., Champaran.
Chhatho Lal, Hide Godown, Saral, Arrah.
Mohammad Isa Saheb, Mohallah Wallegunj, Arrah.

BOMBAY CITY.

S. Mohameddin Haji Kaderbakhsh Dharavi, Bombay No. 17. (Goat Skins & Reptile Skins).

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CALCUTTA.

A. Forbes & Co., Ltd., 3, Middle Road, Entally, Calcutta.
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Lajee Mohamed, 11/2, Sukeas Lane, Cal (Also wool & spices)
Mohammad Amin Bros, 37, Tangra Road, Calcutta.
S Nasiruddin & Co, 2, Chingrihatta Lane Calcutta

DELHI

Ch Mehruddin & Md Gul, Sadar Bazar, Delhi
Eastern Commercial Syndicate, Skin Market, Sadar Bazar, Delhi (Skins & Fur)
Md Hussain & Md Said, Sadar Bazar, Delhi

INDIAN STATES.

S D Baday Sahib & Son, Main Bazar Road, Bowringpet, Kolar
S N Ferozedin Mohammad Ismail, Rahimyar Khan Bahawalpur State

KARACHI.

Beaumont & Co, Karachi
Donald Graham & Co McLeod Road, Karachi
Volkart Bros McLeod Road, Karachi

MADRAS CITY.

Abbas Hussain & Co 17 Angappa Naik St Madras
Abdul Razak Sahib, 1171 Angappa Naik St, Madras
C Abdul Subhan & Co 27 Moore Street, G T Madras
Chambers & Co's Baling Press Madras
East India Leather Co, P O. Box No 537, P T Madras.
G Md Sulaiman Sahib & Co, 25, Mahfoozkhan's Gate Madras
S Mohamed Said 111, Moor St. Madras
South India Export Co Ltd, 4 McLean St, G T Madras

MADRAS PRESIDENCY.

A Pakker Kutty & Co, Bahapatam, Malabar
B P K Abdul Khader Bahapatam, Malabar
S Ameerjohn & Bros, Amiruddin Sahib's Garden, Rajahmundry

ORISSA.

Swedish Tannery, Cuttack, (Lizard Skin)

PUNJAB

Eurasia Trading Co, Karmon Deorhi Market, Amritsar (Fur & Skins)
Ghulam Hussain Nurahmed, Hide Market, Amritsar
Hamid & Co, (Regd) Katrabhai, Amritsar (Raw Fur Skins, Lizard Skins etc)
M Muzaffaruddin & Sons, Multan City
Mohd Abdullah, Mohd Yusuf Khan, Katrabhai, Amritsar.
S Budha Ali Mohd Abdul Karim, Hide Market, Amritsar
S Firozuddin & Bros, Hide Market, Amritsar
Shaikhbudha Alimchamed Abdul, Karim, Shaikh Budha Street, Amritsar (Also Wool & Carpet)
Universal Trade Emporium, Multan City

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A Forbes & Co Ltd, La Touche Rd Cawnpore
Alladin Gulam Habib, Ghati Mamma, Bhanja, Agra
Allah Akbar Mahammad Akbar, Dholi Khar Agra
Barkat Ali Khan, Englishia Lane, Benares Cantt
Dansingh Mohansingh, Chowkooree Estate, Dt Almora
Debsingh Bist & Sons, Berinag, Almora (Fur & Skin Dealers).
Hakim Qurban Hussain Badrul Hasar Gali Shah Qamar, Etawah
Mohammad Yehya Sharifal Hasan Etawah
Prem Lal Shah Gangola, Almora, (Raw Fur Skin, Musk, Shilajit).
S H Mohd Usman Abdul Rashid Asalatpur, Moradabad
Sayed Gulam Jilani & Sons, Etawah (Skin, Fur & Lizard)
United Provinces Tannery Co, Cawnpore (Also leather)

HOMEO CHEMISTS & DEALERS.

Allen Homeo Hall, 19, Ram Ratan Bose Lane Shambazar Calcutta
American Homeo Pharmacy Co, 9 Bonfields Lane, Calcutta

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American Homeopathic Stores, Aminabad Park, Lucknow
Berigny & Co, Mercantile Bldg. Bentinck Str, Calcutta
C Ringer & Co, 23, Lal Bazar Street Calcutta
Economic Pharmacy, 84, Clive St, Calcutta
G K Nag & Co, 297, Upper Chitpur Road, Calcutta
G P Homeopathic Pharmacy, Raja Bldg, H A Gani Road, Cawnpur
Hahnemann Publishing Co, 165, Bow Bazar, St Calcutta
Harrington Homeopathic Pharmacy, Tiwarian Street, Amritsar
Homeo Research Laboratory, Dacca
Homeopathic Poor Dispensary, P O Kankanady, Mangalore
Homoeopathic Supply Corporation, 8, Old Court House Corner, Calcutta
Indian Homeopathic Pharmacy, 24 Chamberlain Road, Lahore
Indian Homoeopathic Stores, 10/11 Upper Circular Road, Calcutta
International Hahnemannian Society of India, (Calcutta), 144, Amherst St, Calcutta Founder Secy Dr M Das H M D
Kailash Pharmacy, Narial Bazar, Cawnpore
King & Co, 90 7-A, Harrison Rd, Calcutta
Lahiry & Co, 35, College Str Calcutta
N K Mazumdar & Co, 34 Clive St, Calcutta
N P Dutt & Son, 23, Strand Road, Calcutta
National Homeopathic Pharmacy, 206 Cornwallis St, Calcutta
Punjab Homeopathic Pharmacy, Maclagan Rd, Lahore
Research Homeo Clinic, 130, Cornwallis St, Calcutta
Roy & Co Princess Str, Bombay
S N Roy & Co, 85A, Clive Str, Calcutta
Samanta Biochemic Pharmacy, 48, Shambazar Str, Calcutta
Sen Chatterjee & Co, 66 A, Colootola Street Calcutta
Sett Dey & Co, 40 A, Strand Rd, Calcutta
United Homeopathic Pharmacy, 31 Banstalla Galli, Calcutta
Varma Homeopathic Pharmacy, Dinapore Cantt Patna
Western Homoeo Biochemic Pharmacy Kothari Mansion, Opp G P O, Fort, Bombay

HOSIERY MANUFACTURERS & DEALERS.

BENGAL

H C Biswas & Co, Panpur P O Howrah
Pabna Silpa Sanjibani Co Pabna
Parjoar Hosiery Mills Ld, 24, 25, Benares Road, Salkia Howrah

BIHAR

Bihar Hosiery Mills, P O Box No 179 Jharia
Bihar Knitting Factory, Patna City
Ganges Weaving and Knitting Mills Co, Ltd, Buxar Shahabad
Jharia Knitting Mills Jharia
R N Shaw, Sadar Bazar, Dinapore Cantt, Patna
Ramdass Bhagwanji Hosiery Mill Jharia

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Asiatic Knitting Commercial Corporation Ltd., 30//9, Hornby Road, Bombay.
Bombay Hosiery Works, Lady Hardinge Cross Rd., Upper Mahim, Bombay.
Coronation Woollen & Cotton Hosiery Factory, Parel, Bombay.
Eastern Hosiery Works, 3, Chaulpaty Rd., Bombay 7
Indian Woollen Mills, Haines Rd, Bombay.
Kartak Hosiery Works, Lamington Rd., Bombay.
P. Framroze & Co, Standard Bldgs, Hornby Rd., Bombay.
Ratilal Bhikhabhai & Co., Girgaon P.O., Bombay.
Star Hosiery Works Bibijan St, Chokla, Bombay No. 3.

BOMBAY PRESIDENCY.

Ahmedabad Hosiery Factory, Ahmedabad
Barejade Mills Ltd., Ahmedabad.
Bharat Knitting Works, Ld., Poona City.
Elite Hosiery Store. Kirkee, Poona.
Fine Knitting Co., Ltd., Naroda Rd., Ahmedabad
Gujrat Hosiery Factory, near Rakhiyal Road, 1837. Khadia, Ahmedabad.
Imperial Hosiery, 68. Mian St., Poona Camp.
Jayanti Hosiery Works, Outside Raipur Gate, Ahmedabad.
Mehta Hosiery Works, Kacharia Pole, Richey Road, Ahmedabad.

BURMA.

Burma Trading Agency, Yamethin, Burma, Agencies—Rangoon & Mandalay.

CALCUTTA.

A. Ebrahim Bros., 66, Canning St., Calcutta. (Importer).
Annapurna Hosiery Co., 31, Ram Kamal St., Kidderpore, Calcutta.
Banga Lakshmi Hosiery Mill, 58/1, Barrackpur Trunk Road, Calcutta.
Bengal Stores Ltd., 8/A, Chowringhee Place, Calcutta. M/A. Birla Bros. Ltd.
Bharat Lakshmi Hosiery Mills, 4, Beltola Rd., Kalighat, Calcutta
Calcutta Hosiery Agency, 55/1, College St., 1st Flat, Calcutta.
Calcutta Hosiery Mills, 13/1, Bondel Road, Ballygunj, Calcutta.
Crown Hosiery, 38A, Joy Mitter St., Calcutta.
D. N. Basu's Hosiery Factory, 36/1A, Sarkar Lane, Calcutta.
Eastern Merchants, (Estd. 1920) 14, Old Court House Lane, Calcutta.
Ganeshlal Durgaprasad, 160, Harrison Road, Cal.
Imperial Hosiery, 27, Telipara Lane, Calcutta.
Jhamapukur Hosiery Mills, 3, Brojonath Mitter Lane, Cal.
Kailash Ch Dey, 170-173, Old China Bazar Str, Calcutta.
Kalighat Hosiery, P. 21/3, Lake Road, Calcutta.
Kamalalaya, College Street Market, Calcutta
Kapoor Hosiery Factory, Ltd, 8, South Sinthee Road, Office 12, Colootola St., Calcutta.
Kesoram Cotton Mills Ltd., 8, Royal Exchange Place, Calcutta.
Kidderpore Hosiery Mills, 2, Ashu Babu Lane, Calcutta.
Labour Hosiery Factory, 87/1, Talpukher Rd., Calcutta.
Lake Hosiery, 21, South End Park, Ballygunj, Calcutta.
N Bose's Beliaghata Hosiery Ld., 1, Canal East Bye Lane, Cal
Nagji Ramgobind & Co., 160, Harrison Road, Calcutta.
Napier Hosiery Works, 70/3, Talpuker Road, Belliaghatta, Cal.
Roy & Roy, 42, Cornwallis St., Manicktola Spur Jn., Calcutta.
S. Mohamaddin Noor Elahi, 160, Harrison Road, Calcutta.

CENTRAL PROVINCES.

Ravi Knitting Mills, Kargi Road, C. P,

DELHI.

Daga Hosiery Factory Ltd. Delhi.
Kunj Behari Lall Sri Kishen Dass, Chandni Chowk, Delhi.
M. A. Amroha Hosiery Works, Gali Qasim Jan., Delhi.
Mahboob Bux Mohammad Rafiud-din, Chandni Chowk, Delhi.

For Sale ! Typed Addresses (Ready to paste and post) of Educated persons of India, Burma & Ceylon. Samples Free from: B. Dutt, Gauhati.

Mohammad Ismail & Sons, Chandni Chowk, Delhi.
Ram Narain & Piyare Lall, 145, Kucha Ghasi Ram, Delhi
Sultan Mirza Nawab Mirza, Saddar Bazar, Delhi.
Western Hosiery Works, Bazar Farash Khana, Burn Bastion Road, Delhi.
Zaker Hosiery Works, Sadar Bazar, Delhi

INDIAN STATES.

Aryan Hosiery Factory, Mysore Road, Bangalore
Dass Bros., Junagadh, Kathiawar.
Ganeshi Lall & Sons, Jodhpur.
Kashmir Textile Co, Srinagar, Kashmir
Kashmir Knitting Co, Jammu, Kashmir
Mahajan Bros, Indore
Sri Krishnarajendra Mills Ltd, Bangalore Rd, Mysore (Yarns & hosiery)

KARACHI.

Bulchand Anandram & Co, Mithadar, Karachi
Pitamberdas Motiram, Mithadhar, Karachi
Royal Hosiery House, Elphinstone Street, Karachi

LAHORE.

Lajpat Hosiery Factory, Machha Hatta, Lahore
Punjab Hosiery Corporation, Saleem Bldg, The Mall, Lahore.
Threkay Hosiery Ltd, 10, Chamberlain Road, Lahore
Tilak Hosiery Factory, Pipal Mandi, Lahore

MADRAS CITY.

Andhra Knitting Factory, 220, China Bazar Road, Madras
Central Hosiery Factory, 5, Saverimuthu Street, Mannady, Madras.
Khamissavalle & Sons, 100, Godown Street, Madras.

MADRAS PRESIDENCY.

Baliga Bros., Hampankatta, Mangalore, S. Kanara.
Calicut Hosiery Works, Calicut, Malabar.
Chenoli Hosiery Factory, Cannanore, Malabar.
Christian Knitting Factory, Merkara Hill, Kankanadi, P. O., Mangalore
Commonwealth Hosiery Factory, Balmatta Rd, Mangalore, S. K.
Commonwealth Trust Ltd, Calicut, Malabar, Factory at Mangalore.
Ellore Hosiery Spinning and Weaving Mills, Ltd., Powerpet, Ellore, W. Godavary
General Knitting Factory, Tirupur, Coimbatore.
Hope & Dare Co., Palace Road, Madura
Knitting Factory, "Srinivasa Vilas," Sanyasi Gunder Road, Salem
Kongundi Textile Co., Kuppam, N Arcot
Krishna Knitting Factory, Karur.
Lakshmi Vilas Banian Factory, Salem.
Malabar Hosiery Works, Feroke, S. Malabar
Modern Hosiery Works, Tanjore
Modern Knitting Co, Variety Hall Road, Coimbatore
Premier Hosiery Works, Ltd, Calicut, Malabar
Sri Ramkrishna Knitting Factory, Salem

PUNJAB.

A N Sayal, B.A, Ludhiana (Hosiery expert)
Abdelson Shawls & Woollen Factory, Katrabhai Amritsar.
Ahluwalia Hosiery Factory, Ludhiana.
All India Hosiery Institute, Wettganj, Ludhiana.
Aryan Trading Co, Purana Bazar, Ludhiana.
B M Ismail Arrai Stores, Moh Jattan Chhaoni, Ludhiana
Bandlis & Devi Bros, Ludhiana
Chopra Hosiery Factory, Chopra Bldgs, Ludhiana.
F D. Knitter. Takia Gujran, Ludhiana.
Fazlal Hosiery Works, Near Ry. Bridge & Octroi Post, Chhaoni, Ludhiana.
Gupta Hosiery Mills Ltd., Ludhiana
Hosiery Knitting & Lock Mfg Co, Ambala Cantt., Punjab.

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Ideal Hosiery Works, Ludhiana.
Independent Co., Ltd., Ludhiana.
Jagindra Mohan Taur, Purna Bazar, Chhicunbian's St., Ludhiana.
M. A. Sofi Store, G. T., Road, Basanti Kothi, Ludhiana.
Madan Hosiery Works, Gujranwala, Punjab.
Nationals Ltd., Ludhiana.
Pioneer Hosiery Co. Ltd., Feroze pur Cantt.
Punjab Kesari Hosiery Factory, Khanna, Punjab.
Rai Bahadur Knitting Works, Ludhiana.
Sandlas & Co., Ludhiana.
Shahzada Ram Narain Das, Ludhiana.
Standard Textile Mills Co., Tanda Urmar.
Sund Hosiery Factory, Ludhiana. Br: 199/5, Harrison Rd., Cal.
Swadeshi Karvala Factory, Ludhiana.
Swadeshi Manufacturing Syndicate, Ludhiana.
Swaraj Hosiery Mnfg. Co., Jhelum.
Taj Wool House, Ludhiana.

RANGOON.

Oriental Knitting Factory, 57-58, Sparks Street, Rangoon. Br:—Madras.
Osman Abdool Shakoor & Co., P. O. Box 85, Rangoon.

SIND.

Shivaldas Knitting Mills, Shikarpur, Sind.

Sind Hosiery Mills, Sukkur, Sind.

Sind Swadeshi Hosiery Mills Sukkur, Sind.

UNITED PROVINCES.

Ajayab—Ghar Office, 12/30, Gwaltoli, Cawnpore.
Benares Hosiery Works, Benares.
Cawnpore Textiles Ltd., Cawnpore.
Feather Weight Hosiery Factory, Cawnpore.
Fine Art Knitting Co., 34, Mutter Wara, Meerut City.
Gopinath & Co., Baldeo Mandir, Meerut City.
Gulab Chand Lakshmi Chand, Kinari Bazar, Agra.
Juggilal Kamalapat Hosiery Factory, Cawnpore.
Kumaun Knitting Factory, Almora.
M. L. Gupta & Bros., Aminabad Park, Lucknow.
Northern India Knitting Works, 34, Cromnelin Rd., Lucknow.
P. L. Nanak Shahi, Lucknow.
Pucka Hosiery Mills, Civil Lines, Cawnpore.
Rama Knitting Works, Dugaon, Lucknow.
Ram Nath & Co, Aminabad, Lucknow.
Sudarsan Maharaj Nand Ram, Chowk, Cawnpore.
Woollen Hosiery Factory, Makhan Bazar, Cawnpore.

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FAST COLOUR!!
PURE WOOL!!!
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Sukkur, (Sind)..

HOSPITAL REQUISITE DEALERS.

Alibhoy Vallijee, Multan Cantt

Amritsar Enamelling Works, Inside Hall Gate, Amritsar.

Bengal & Overseas Trading Co., 84-A, Clive St, Room No. D-4, Calcutta.

Bengal Potteries Ltd, 45, Tangra Road, Calcutta (Pans, etc.).

Bombay Swadeshi Iron & Brass Furniture Works, Shams Mansion, Qutab Road, Delhi

Capital Science Laboratory Works, Daryaganj, Delhi

Civil and Sanitary Engineering Co, Ltd, 11, Convent Road, Entally Calcutta

Gordhandas Desai & Co, 305, Hornby Road, Bombay

General Trades Agency, Near Juma Masjid, Delhi.

Hospital Appliances Mnfg. Co., 48/5, Tangra Road, Calcutta.

M D Vora & Co, 71, Princess Street, Bombay.

Medical & Military Printing Works, 17, Maclagan Rd,, Lahore

N. Powell & Co, Ltd, Lamington Road, Bombay No 1.

Nadia Chemical Works, C44/46, College St Market, Calcutta

Piyare Lal Bros, Inside Hall-Gate, Amritsar

Sharma Engineering Works, Kadamkuan Road, Patna

Sur Enamel & Stamping Works Ltd, 9, Middle Rd, Entally, Cal

HOTELS & BOARDING ESTABLISHMENTS.

ASSAM.

Gauhati Hindu Nivas, Gauhati

BENGAL.

Barisal Hotel, Station Ghat, Barisal.

Bellevue Hotel, Darjeeling

Eden Sanitarium, Darjeeling

Hotel Hillview, Kalimpong, Darjeeling.

Hotel Sailabash, Kalimpong

Labyrinth Board & Residency, Darjeeling

Wallace Hotel, Station Road, Chittagong

BOMBAY CITY.

Grand Hotel (Bombay) Ltd, Ballard Estate, Bombay

Imperial Trading Co, 7-10, Elphinstone Circle, Fort, Bombay.

Orient Hotel, Oomrigar Bldg., Opp Crawford Market, Bombay

National Hindoo Lodge, Kiledar Mansion, Sandhurst Rd, Bombay.

Tajmahal Hotel, Apollo Bunder, Bombay

CALCUTTA.

A Firpo Ltd., 18/2, Chowringhee Road, Calcutta

Bengal Boarding House, 46-7, Harrison Road, Calcutta

Bristol Hotel, 2, Chowringhee Rd., Dharamtollah, Calcutta.

Central Hotel, 11, Waterloo St, Calcutta

Central Hindu Hotel, 35, Chittaranjan Ave, South, Calcutta

Continental Hotel, 12, Chowringhee, Calcutta

Dominion Club, 101, Harrison Rd, Calcutta

Grand Hotel Ld 15, Chowringhee, Calcutta

Great Eastern Hotel, 1, 2, 3, Old Court House St, Calcutta.

Great Indian Hotel, 62, Mirzapore Street, Calcutta

Hayton's Board Residence, 161, Dharamtola St, Calcutta

Hotel Cecil, 52/1/1, College St,, Calcutta

Hotel Royal, 47, Harrison Road, Calcutta.

Hotel Savoy, 27, Sashi Bhusan Dey St, Calcutta.

International Boarding & Hotel, 42, Harrison Road, Calcutta

Maharashtra Niwas, 85/1/1, Beltola Rd, Bhowanipore, Calcutta.

Mahat Ashram, 9, Cornwallis St, Calcutta.

Majestic Hotel, P124, Scheme 7E, Dharamtolla, Calcutta

National Hotel, 79/2, Harrison Road, Calcutta.

Palace Hotel, 31-2, Harrison Rd., Calcutta.

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Sealdah Hotel, 128, Lower Circular Road, Calcutta.
Spence's Hotel Limited, 4, Wellesley Place, Calcutta.
Tower Hotel, 27, Upper Circular Road, Calcutta.

DELHI.

Associated Hotels of India, Ltd., Alipore Road, Delhi.
Corporation Hotel, Chandni Chowk, Delhi. Prop: S. L. Kapoor.
Great Eastern Hotel, Queens' Rd., Delhi.
Maharaja Hotel, Nehar Saadat Khan, Delhi.
Mahboob Hotel, Chandni Chowk, Delhi.
Punjab Hindu Hotel, Fatehpuri Bazar, Delhi.
Taj Mahal Hotel, Nehar, Saadat Khan, Delhi.
Woodlands Hotel, Metcalfe House Road, Delhi.

INDIAN STATES.

Central Hotel, St. Lavelle Road, Bangalore.
Modern Hindu Hotel, Bangalore City.

MADRAS CITY.

All India Caterers Ltd, 111, Devaraja Mudali Street, Park Town, Madras.
Clarence Hotel, Remdell's Road, Vepery, Madras.
Connemara Hotel, Mount Road, Madras.
McRennett & Co., 2-141, Mount Road, Cathedral P. O., Madras.
Modern Hindu Hotel, 53, General Patters Road, Madras.
Prince Hotel, Errabalu Chetty Street, Madras.

MADRAS PRESIDENCY.

Diamond Lodge, Big Conjeeveram.
National Lodge, Hodgsonpet, Conjeeveram.
Santhanakrishna Restaurant, Hodgsonpet, Conjeeveram.

ORISSA.

Seaside Hotel, Gopalpur, Ganjam.

PUNJAB.

Amritsar Hotel, The Mall, Amritsar.
Associated Hotels of India, Ltd., Simla.

UNITED PROVINCES.

Alliance Hotel, 27, Canning Road, Allahabad.
Carlton Hotel, Lucknow.
Hotel Cecil, 8, The Mall, Agra.
Hotel Hindusthan, Nainital.
Hotel Metropolis, Nainital.
Indian Hotel, 166, Bridge Street, Meerut
Laurie's Great Northern Hotel, Drummond Road, Agra.
Park Hotel, Bhimtal, Nainital.
Royal Hotel, Muttra; Lucknow.
Royal Hotel, 12, Cantonment, Bareilly.
Savoy Hotel, Mussorie.

ICE MAKING MACHINE DEALERS.

Burn & Co., 12, Mission Row, Calcutta.
Dhar Company, 84A, Clive Street, Calcutta.
F. & C. Osler Ltd., 12, Old Court House St., Calcutta.
Giacomo Jucker, Apollo Street, Box No. 11, Bombay.

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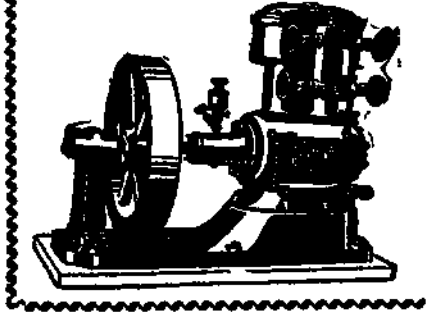

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Distributors:—DHAR CO.,
84-A, Clive Street, Calcutta.

Ice Machinery Mart 20, Railway Road, Lahore
Imperial Trading Co, 7-10, Elphinstone Circle, Fort, Bombay
Jessop & Co, Ltd., 93, Clive Str, Calcutta
M S Vernal & Co, Bharat Insurance Building, Central Avenue, (South), Calcutta.
Masseys (India), Ltd, Royapuram, Madras
Pioneer Engineering Co, Ltd, Ferozepur Cantt
Sulzer Bros, 11, Clive St, Calcutta
T E Bevan & Co, Ltd, 21, Old Court House St, Calcutta
Turner Hoare & Co, Ltd, Gateway Bldg, Apollo Bunder, Bombay.
Universal Mutual Benefit Co, New Delhi (Ice Cream),

ICE MANUFACTURERS.

ASSAM

Golam Rahman & Sons, Gauhati

BENGAL.

Bharat Ice Co Ltd, Howrah
Kanhaiya Lal Dalat Ram, Asansol

BIHAR

Dhanbad Ice Factory, Dhanbad, Manbhum
Jamalpore Ice Co, 1, Tank Sqr, South Jamalpore Monghyr
Jamshedpur Ice Factory, Jamshedpur
Patna Ice Factory, Patna
Prag Distilled Water Ice Factory, Jharia

BOMBAY CITY.

Bombay Crystal Works, Hansraj Lane, Byculla Bridge, Bombay
Bombay Ice Mfg Co Ltd, 10-12, Cochin St, Ballard Pier Fort, Bombay
Dhunjibai Ice Factory, Mount Road, Bombay
Lightfoot Refrigeration Co, Ltd, Byculla Bridge, Bombay; 138, Beliaghata Rd, Entally, Cal
Siddeley Ice Manufacturing Co, Arthur Road, Bombay

BOMBAY PRESIDENCY

Agarwal Distilled Water Ice Factory, Dudheshwar Rd, Ahmedabad
Badari Ice Factory, Station Road, Surat
Hilluvala Ice Factory, Station Rd, Surat.
Imperial Ice Factory, Chock Bazar, Surat
Maneck Ice Manufacturing Co., Ahmedabad
Surat City Ice Factory, Rugnathpura, Surat
Taher Ice Factory, Allava's Vadi, Surat

BURMA.

Crown Ice & Aerated Water Factory, Rail Stn Road, Bassein
David and Ezra Bros' Ice Factory, Burne Street, Mandalay

CALCUTTA

Bengal Ice Company Ltd 11, Munshigunge Road Calcutta
Calcutta Ice Association Ld. 103, Clive Street, Calcutta
Crystal Ice Factory, 21 Canal St, Entally Calcutta
Ganga Ice Factory & Co, 135, Manicktola Main Rd, Calcutta
Lightfoot Refrigeration Co Ltd, 138 Beliaghata Main Road, Cal
Refrigerators (India), Ltd, 62, Hazra Road, Cal

CENTRAL INDIA.

Gillan Ice Factory, Post Office Road, Mhow
Jamsetjee & Co, Bazar Guard Road, Mhow
Marker Aerated Water Factory, Post Office Road, Mhow

CENTRAL PROVINCES.

George Ice Factory, Nagpur.

DELHI.

Ajudhiaprashad Lachmandas, Delhi.
Bhagwan Ice Factory, Delhi,
Krishna Ice Factory, Hathi Khana, Subzimandi, Delhi
Rahman Ice Factory, Delhi

INDIAN STATES.

Abidi's Ice Factory, Hyderabad, Deccan
Cochin Ice Factory, Palathode Road, Cochin
Crystal Ice Manufacturing Co. 1, Tank Road, Bangalore

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Juma Ram Ice Factory, Bhabran Bazar, Bahawalpur.
Sanghir Harkhchand Panachand & Co., Morvi, Kathiawar.

KARACHI.

Crystal Ice and Cold Storage Co., Kutchery Road, Karachi.

LAHORE.

Ganga Ice Factory, Lahore Cantt.
Punjab Cotton Press Co., Ltd., Bharat Buildings, Lahore.
Punjab Ice Co., Lahore.
Taxila Ice Factory, Lahore

MADRAS CITY.

City Ice Manufacturing Co., 12, General Patters Rd., Madras.
South Indian Royal Ice Factory, 2, Whannels Road, Egmore, Madras

MADRAS PRESIDENCY.

Radha Ice Co., Radha Bank Bldgs., Chalapuram, Malabar.

MERWARA.

Ajmer Ice Factory & Foundry Works, Ajmer.
Prag Ice Factory, Ajmer

N. W. F. PROVINCE.

Harji Mal Rai Bahadur Ice Factory, Peshawar City.

ORISSA.

Bhima Ice Factory & Flour Mills, Chauliaguni, Cuttack

PUNJAB.

Benarsi Das Steam Roller Flour Mills, Ambala Cantt.
Bharat Mills, Grand Trunk Road, Wazirabad.
Dial Ice Factory, Nowshera
Durga Ice Factory, Gujrat.
Fateh Chand Chiranji Lal Ice Factory, Hissar.
Ice & General Flour Mills Co., Ltd., Sargodha.
Ludhiana Ice Factory, Ludhiana.
Punjab Transparent Machine Ice Factory & Atta Mills, Ambala.
Rawalpindi Ice Co., Rawalpindi.
Sargodha Ice Factory Ltd., Block No. 15, Sargodha.

RANGOON.

Burma Ice & Aerated Water Co., 238, Lower Kemmendine Road, Rangoon
Diamond Ice Factory, 140, 146, Sule Pagoda Road, Rangoon.

SIND.

Kotumal Dharamdas Ice Factory, Sukkur
Parsumal Hemandas Ice Factory, Sukkur.
Santdas Dewandas Ice Factory, Sukkur.
Seth Gulomal Matumal Ice Factory, Sukkur.
Victor Ice & Flour Mills, Aishbagh, Lucknow.

UNITED PROVINCES.

Allahabad Ice Co., Allahabad.
Benares Ice Factory, Benares Cantt
Bhagwan Ice Factory & Oil Mills, Hinmatganj, Allahabad
Bhargava Ice Factory, Civil Lines, Cawnpore Br.—Lucknow & Jubbulpore.
Firozabad Ice Mfg Co., Firozabad, Agra.
Meerut Ice Factory, Meerut.
Ramchand Luchmandas Ice Factory, Water Works Road, Aishbag, Lucknow
Rohilkhand Ice Co., Ltd., Beharipur, Bareilly, Factory, Budaun.
Victor Ice Factory, Bird Ghat, Gorakhpur.

IMPORTERS & EXPORTERS.

BENGAL.

Bengal Commercial Trading Society, Roshangiri, Chittagong.
Oriental Commercial Society, Roshangiri, Chittagong.

BIHAR.

Chuni Lall Anant Lall, Naubatpur, Patna.

BOMBAY CITY.

Ahmedkhan Goolabkhan, 178, Nagdevi Street, Bombay.
Anandji Virji & Co., 7/9, Elphinstone Circle, Fort, Bombay.
Bhagvandas Chatrabhuj & Co., 22, Apollo St., Post Box 913, Bombay.
Excelsior Import & Export Co., Lal Singh Bldgs., Lohar Chawl, Bombay 2.
Florence Agency, Parsi Bazar Street, Bombay.
Imperial Trading Co., 7-10, Elphinstone Circle, Fort, Bombay

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Indo-Europa Trading Co, 9, Dalal Street, Fort, Bombay
Ismail Siddick & Co, 54, Masjid St, Bhendi Bazar, Bombay 9 (Sole Agents Sahara Blade)
Jehangir J. M. Poonjiajee, G.P O. Box No. 20, Bombay.
Kayen & Co, 19, Bank Street, Bombay
Mangaldas & Co, Musjid Bunder Rd Gaya Bldgs Bombay 3
Martin & Co Khoja Mohalla, Bombay 3
N A Geria & Son, 185 Princess St, Bombay
N Peermahomed Post Box No 3145, Bombay 3
Pramashaw Motor Co, 4/20, Lamington Road, Bombay
Punjab Metal Works Bombay 2 Office —Madras Karachi & Amritsar
Ratansey Damji & Co, Khoja Mohalla Bombay 9
Shamji Hemraj Ltd, Rustom Bldg, Churchgate St, Bombay
Shree Jyoti Electric Trading Co, Shahi Bhuvan Princess St, Bombay 2 Br —Ahmedabad
Vakil & Co 103, Abdul Rehman St, Bombay 3

BOMBAY PRESIDENCY.

C B Zaveri & Co, Broach
C K Shah Bros 2,09, Gozaria St, Shapur Ahmedabad
Gujrat Trading Agency Shree Krishna Kunja, Vyara, T V Ry
J M Gandhi & Sons, 1324 Jada Bhagat Street, Ahmedabad
K. C. Tiwari, Nasik City.
P M Huthusing & Sons, Gheekanta Wadi, Ahmedabad (Importers of Yarn & Mill Stores)
Shivprosad P Mehta, Gandhi Rd, Ahmedabad
Star Trading Co, Haripura Mahfaha, Surat
Y V Mordeker, Mordeker House, New Bazar, Margao-Goa

BURMA.

Ba Sein & Co, 20, Penang Str, Moulmein
E E Gowa, No 51 "D" Block, Zegyo, Mandalay
Goolam Hoosein Esmail 26th "B" Road, Mandalay
Imperial Stores, Well St, Akyab, Burma
S A Rashid & Co, Distillery Rd, Rossein

CALCUTTA

Acton Limited, D-5, Clive Bldgs, 8, Clive St, Calcutta
Ahmed A Fazelbhoy, 55, Canning St Calcutta
Calcutta Stationery Hall, 91/2, Radha Bazar St, Calcutta
Commercial Agency, 17, Mangoe Lane, Calcutta
Deccan Trading Co Ltd, Stephen House, Dalhousie Sq, Calcutta.
D. Popatlal & Co., 71, Canning St, Calcutta.
Eastern Japan Trading Co, 8, Dalhousie Sqr, East, Calcutta
Eastern Traders, 14, Hare Street, Calcutta
F & O Lang, 29, Strand Road, Calcutta
G L Mohamed, 11/2, Sookeas Lane Calcutta
General Export Co, 55-58, Ezra St Calcutta
Goolam Ali Bhoy, 11/2, Sukea s Lane Calcutta
Hookumchand Jaskaran, 30, Cotton Street Calcutta (Piece goods & Sundries)
India Exporting Co, Ltd, 60, Chingrihatta Rd, Entally, Calcutta
Ishaq Chandna Ltd., 71, Canning St, Calcutta.
J Mayr, 1, Mission Row, Calcutta
Jesraj Jaichandlal Baid 142, Cotton St, Calcutta
Lalljee Mohammed, 11/2, Sukea's Lane, Calcutta
Nitto Trading Company, 28, Strand Road, Calcutta
Oriental Import & Export Ltd, 2, Commercial Bldgs., Calcutta
Rash Behary Dev & Sons, 82, Old China Bazar Str, Calcutta (Oil Cloth, Rubber Cloth, Linelium)
Roy Nandi & Co, 14, Ganguli's Lane, Calcutta (Spices, Myrobalans, Nuxvomica, Tamarind, and Kapok)
Ryan & Co, 25/B, Swallow Lane, Calcutta
S C Sons Ltd, 14, Clive St, Cal
S K Dutta, 57, Canning St, Cal

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S. M. Rafiq, 54, Phear Lane, P.O. Box No. 234, Calcutta. Br:—Bombay, Madras & Rangoon.
Surendra Nath Ghose & Co., D/12, Juggernath Ghat Lohaputty, Bara Bazar, Calcutta.
T. Pandit & Co., 58/3, Goaltoli Rd., Bhowanipore, Calcutta.
Union Commercial Indo Francaise, 3/1, Bankshall Street, Cal.
Universal Merchants, 58/1, Canning St., 1st. Floor, Calcutta.

DELHI.

B. L. Ram Richpal, Fort Road, Delhi.
Bharat Sewak Co., 981, Nai Wara St., Delhi.
East and West Corporation Ltd., Qutal Road, Delhi.
Eastern Import Syndicate, Lalkuan, Delhi.
Gopal Dass & Co., Burn Bastion Road, Delhi.
Holland Bombay Trading Co., Hamilton Road, Delhi.
Indo-German Trading Co., Chandni Chowk, Delhi.
Jaiswal Bros., Shradhanand Rd., Delhi.
M. A. Sattar & Co., Fatehpuri, Delhi.
M. I. Chandna & Sons, Chandna Bldgs., Delhi.
Majid & Co., Sadar Bazar, Delhi.
P. D. Khanna & Co., Cloth Market, Delhi.
Ram Pershad Khannah & Co., 211, 212, Delhi Cloth Market, Delhi.

INDIAN STATES.

B. K. Radha Krishnappa & Bros., 27, Mills Road, Bangalore City.
Balakrishna Pillai & Bros., Kannankulangana Rd., N. Parur, Travancore.
Commercial Emporium, Alleppey, Travancore.
Damodar Das Nagory, Lashkar, Gwalior State.
Frontier Trading Co., Jauhri Bazar, Jaipur City. Hd. Office. Gunj Mandi, Bhera (Punjab).
G. L. Kilkan & Sons, S.S.R. Rd., Cochin.
Josyer & Co., Mysore.
M. Sherifuddin, New Bazar, Alleppey, Travancore. (Exp. of Malabar Produce, Coco mats & matting mfrs.).
Naiker & Sons, Mainathumpadi, Cochin.
P. M. Gopalker & Co., Rajkot, Kathiawar.
Pallikutty Bava & Bros., Near Pullupalam, Cochin.
R. L. Mittal, 850, Balu Bazar, Nasirabad, Rajputana.
Rajputana Trading Co., No. 9, Jaipur City.
S. V. Swamy & Co., P.O., Muvattupuzha, Travancore.
V. Abdulla & Co., Mattancherri, Cochin.

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Eastern Mills & Foundry Products Co., 135, Canning St., Cal. Works: Salkia, Howrah. (Brass & Iron).
Foundry & Railway Equipment Co., 100, Clive St., Calcutta.
G. C. Ghose, 9, Bowbazar Lane, Cal. (Iron Gates, Railings etc.)
Indian Tube Co., Ltd., C1, Clive Buildings, Ground Floor, Cal. (Mild Steel tubes & fittings).
Jogendranath Chatterjee & Sons, 21, Darmahatta St., Calcutta.
Lloyds Engineering Works, 190, Belilios Road, Howrah.
Oriental Iron Works, 2/3, Lala Baboo Lane, Calcutta.
S. C. Dey & Bros., 13, Wellington Str., Calcutta.
Steel Products Ltd., 95-98 Garden Reach Road, Calcutta.

DELHI.

Bahadur Iron Works, Sirkiwalan, Delhi.
Hari Ram Jagan Nath, Kucha Pati Ram, Gali Indra, Delhi.
Tin & Iron Ware Factory, Bucket Buildings, Pull Bangesh, Delhi.
Delhi Iron Syndicate, Ajmere Gate, Delhi.
Dhoomimal Dharamdas, Chaori Bazar, Delhi.
Grand Iron Works, Chowri Bazar, Delhi.
Krishna Iron & Brass Works, Kishen Ganj, Delhi.
Lakshmi Iron and Brass Works, Ajmere Gate, Delhi.
Rani Iron and Brass Works, Ajmere Gate, Delhi.
Rohatgi Metal Foundry Ltd., Ajmere Gate, Delhi.
Sakey Ram, Sirkiwalan, Delhi.

INDIAN STATES.

Bangalore Iron Works, Cantonment, Basgalore.
Central Industrial Workshops, Bangalore, Mysore State.
General Engineering Works, Kottavam P.O., Travancore.
Gordhan Das Dharsey's Brass & Iron Factory, Palluruthy, Cochin.
Mysore Premier Metal Factory, Narasimharaja Road, Bangalore.
P. M. Madhure Modaliar & Sons, NewTharagupet, Bangalore.
Standard Foundry & Engineering Co., Bangalore. (Iron & Brass).

KARACHI.

Yellapa Sayenna, Kutchery Road, Karachi. (Brass & Iron Foundry).

MADRAS CITY.

Basin Foundry, Cochrane Basin Road, Washermanpet, Madras.
C. Murugesa Mudaliar & Sons, Ellis Rd., Mount Rd., Madras.
Gopal Nayagar & Sons, Basin Foundry, Madras.
Nataraja Engineering Works, Kondithope, Madras.
Saraswati Foundry, 96, New Puliantope Road, Perambur Barracks, Madras.
Standard Engineering Works, "River View," Lang's Garden Road, Mount Road, P.O., Madras.
Swamy Foundry, Modern Engineering Works, Avadi Srinivasa Ayya St., Choolai, Madras.

MADRAS PRESIDENCY.

C. D. U. Rajan & Co., Kat-Padi, N. Arcot.
Chammundeswari Metal Factory, Kalahasti, Chittoor.
Mangalore Iron Works, Mangalore, S. Kanara.
Munisami Metal Works, Kalahasti, Chittoor.

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Salem Engineering Works, Suramangalam, Sabu Jnc., Salem.
Saraswathi Metal Factory, Kalahasti, Chitoor.
Sreenivasa Metal Factory, Kalahasti, Chittoor.

PUNJAB.

Frontier Tin Iron Works, Rawalpindi.
Abdul Rahaman Ghulam Hussan Iron Works, Batala.
Chiragh Works, Din Nizam Din Iron Batala.
Crown Foundry & Iron Works, Batala.
Golden Engineering Co., Lyallpur.
Khalsa Foundry, Batala.
Imperial Foundry & Iron Works, Batala.
Punjab Sheet & Iron Works, Jallo.
Rakha, Mal Kunda Mal Iron Works, Batala.
Ramzan Iron Works, Batala.
Royal Foundry, Batala.
Shadi Khair Din Iron Works, Batala.
Taj Din Hakim Din Iron Factory, Lyallpur.

RANGOON.

J. A. Angus, Strand Rd., Ahlone Rangoon.

UNITED PROVINCES.

Agarwal Iron Works, Hewett Park Road, Agra.
Jagan Nath Umrao Singh, Kabari Bazar, Meerut City.
Koovarji Devshi & Co., 154, Lohar Street, Bombay. Br:—Indore, Cawnpore & Bangalore.
National Iron Foundry, Belanganj, Agra.
New Krishna Metal Works, Railway Rd., Aligarh.
Punjab Iron Works, Aish Bagh, Lucknow.
Singhal & Co., Chowk, Aligarh.
Varshnai Metal Works, Aligarh.

IRON & STEEL MANUFACTURERS.

Bengal Iron Co., Ltd., 4, Lyons Range, Calcutta.
Eagle Rolling Mills, Kumardhubi, Manbhum.
High Speed Steel Alloys Mining Co. Ltd., Tavoy.
Hukumchand Electric Steel Works, Ltd., 8, Swinhoe Street, Calcutta.
Indian Iron & Steel Co., Ltd., Burnpur Stn., Office, 12, Mission Row, Calcutta.
Kirtyanand Iron & Steel Works, Ltd., Samdi, Burdwan.
Mysore Iron & Steel Works Bhadravati, Mysore.
Tata Iron & Steel Co., Jamshedpur. Office, 24, Bruce Street Fort, Bombay; 100, Clive St Calcutta.
Tinplate Company of India Ltd Golmuri, Singhbhum.
United Steel Cos (India) Ltd., 2 Avenue House, Chowringhee Sq., Calcutta.

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Budhabhoy Noorbhoy & Co., 174, Abdul Rehman St., Bombay.
C. Bhimji Ponja & Sons, 20, Khoka Bazar, Bombay. (Expended Metal).
Daulatram Ratanji & Co., 208, Nagdevi St., Bombay No. 3. Br:—Dhanbad, Jharia, Katrasgarh, Delhi & Cawnpore.
F. Fulchand & Co., Gulalwadi Kika Street, Bombay 4.
F. Raja & Co., Carnac Siding Rd., Bombay. (Iron & Steel Beams).
Nansi Iron & Steel Works, 223, Thakurdwar Rd., Bombay.
Solem Hardware Mart, 309, Hornby Road, Bombay.
United Steel Companies (India Ltd., Kodak House, Hornby Road, Bombay.

CALCUTTA.

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B. B. Palodhy & Bros., 30 Wellington Str., Calcutta. (Rain water Pipes).
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Calcutta Iron & Steel Co., 29, Clive Street, Calcutta
Daw & Brothers, 14, Raja Wood-Munt Street, Calcutta.
Day Brothers & Co. 21, Wellington Street, Calcutta
Devendra Nath Paul & Co, 39, Wellington Str, Calcutta (Also corrugated sheets)
Dorman Long & Co., Ltd, 8, Clive Street, Calcutta
E A Currim, 11 1, Sukea Lane, Calcutta
Gopal Chander Das & Co. Ltd, 24, Raja Woodmunt Street, Cal
Jessop & Co Ltd 96, Clive St, Calcutta
K D Ganguly & Co. 74, Clive St Calcutta
K C Mookherjee & Son, 27, Wellington Street, Calcutta
Kuver Ltd, 84, Clive Street, Calcutta
Mookherjee & Co, 25, Wellington Str, Cal (Also Corrugated sheets, pipes)
Natabar Paul & Co, P224/1, Strand Bank Road, Calcutta
Paul & Bros, 39-B, Wellington Str, Calcutta (Also Corrugated sheets, pipes, horsenails)
Prakash & Co, 332, Wellington Str, Calcutta
Prosonno Kumar Roy & Co, 26, Wellington Str, Cal (Also Building & Carriage materials).
Rajendranath Mullick & Co, 20, Durmahatta Str, Calcutta
S Nundy & Co, 25, Wellington Str, Cal
Satyendra Mohan Palodhy & Kalipada Nundy, 39, Wellington Str, Cal (Also Corrugated sheets, C I Pipe & Railways)
Steel Products Ltd, 95 98, Garden Reach Road, Calcutta
T D Kumar & Bros, Ltd, 67/4 Strand Road, Calcutta
Tata Iron & Steel Co, Ltd, 100, Clive Street, Calcutta

DELHI

Dhoomimal Dharamdas, Chaori Bazar, Delhi.

KARACHI

Beharimal Jaggamal, Karachi
R R Herman & Mohatta, Karachi
Ramchand Jethimal, Bunder Rd, Karachi
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Hind Engineering Co, 66 Nagdevi Street, Bombay 3
Model Engineering Works, 110, Cawasji Patel Street, Bombay
Shivlal Chhaganlal & Co, Mansur Bldg, Princess St, Bombay
Vulcan Safe Mnfg Co, Sandhurst Road, Bombay

BOMBAY PRESIDENCY.

Amichand & Co, Station Road, Surat
J Bhagwan Mistry & Co, Station Road, Surat
Manilal Motilal Pandya, Station Road, Nadiad, Kaira
Mistry J Bhagvan & Co, Station Road, Surat

CALCUTTA.

Bengal Iron Safe & Lock Works, 120, Shovabazar St, Calcutta
Das & Co, Safeguard House, 61, Belgachia Rd, P O, Belgachia, Calcutta (Locks & Safe)
G Ghose & Co. 94 Harrison Rd, Calcutta
G Ray & Co, 70-1, Clive Street, Calcutta
Gadadhar Shaw & Sons, 97, Harrison Road, Calcutta
Ganpat Shaw & Co, 97, Harrison Road, Calcutta
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INDIAN STATES.

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KARACHI.

Lakhmichand Motiram, Bunder Road, Karachi.

Pitamberdas Jaichand & Sons, Bunder Road, Karachi.

MADRAS CITY.

P. Natesa Mudaliar, 59, Broadway, Madras.

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V. Dorasamy Mudaliar, 58, Broadway, Madras.

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Durlabhram Pranjivandas, Ambaji Road, Surat.

Mulchandbhai Ghelabhai & Bros., Ambaji Road, Surat.

CALCUTTA.

Bengal Home Industries Association, 3, Hogg Street, Calcutta.

Bengal Stores Ltd., 8/A, Chowringhee Place, Calcutta. M./A. Birla Bros. Ltd.

Ghosh & Son, 62/7, Mirzapur Str., Calcutta.

Graduate Jewellery House, 81, Ashutosh Mukherjee Road, Cal.

Sur Bros. & Co., 203-4, Cornwallis St., Calcutta. (Chank Carving).

Swadeshi Shilpa Factory, 213, Cornwallis Street, Calcutta.

DELHI.

Delhi Ivory Palace, Juma Masjid, Delhi.

Fakir Chand & Raghu Nath Dass, Juma Masjid, Delhi.

Imperial Ivory House, Juma Musjid, Delhi.

INDIAN STATES.

Alabuksh & Co., Ajmere Gate, Jaipur.

Gobindram and Udairam, Kalyanji-ka Rasta, Jaipur.

Kamala South Art Studio, South Street, Fort, Trivandrum, Travancore. (Also Kuftgari Ware).

Mahadeo Kharadi, Chandpole Gate, Jaipur.

Sheo Sahai, Kalyanji ka Rasta, Jaipur.

Shivanand & Co., Sorab, Shimoga, Mysore.

Sri Mulam Fine Arts & Ivory Works, Main Rd., Trivandrum, Travancore.

MADRAS PRESIDENCY.

G. Kannaya & Sons, Main Road, Vizagapatam.

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Excelsior Trading Co, Sheikh Memon Street, off Crawford Market, Bombay
K Wadia & Co, Opp London Hotel, Grant Road, Bombay
Lalbhai Kalidas & Co, 162 Mumbadevi Road, Bombay
Maneckchand Panchand & Co, 190, Zaveri Bazar, Bombay 2
Mappin & Webb Ltd, Central Bank Bldg, Esplanade Road, Bombay
Nagindas Laloobhai & Sons, Palanpur Buildings, Dhanji St, Bombay
Nanavaty Silver Works, Mota Mandir, 3rd Bhowada Bhuleshwar, Bombay
Narotamdas Bhau Javeri, Shaik Memon Street, Bombay
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N Rustomji Opp Napier Hotel Main St, Poona Camp
Pendharker & Co Main Rd, Nasik
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H. T. Lalvani Ltd., 22, Lindsay Street, Calcutta.
Hiralal Nandlal Khetry, 154, Ashutosh Mukherjee Rd., Cal.
Jahor & Sons, 156, Radha Bazar Street, Calcutta.
K. C. Ghosh & Sons, 165, Bowbazar St., Calcutta.
K. Mani Lall & Co., 173, Harrison Road, Calcutta.
Kanai Lall Kermoker, 13-1, Chidam Mudi Lane, Durjeepara, Calcutta.
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Mitra Mookherjee & Co., 35, Ashutosh Mukherjee Road, Bhowanipore, Calcutta.
Modern Jewellery Works, 206, Cornwallis Street, Calcutta.
Monohar Chandra Ray, 18, Shibtala St., Calcutta.
Murarji Govindji, 156, Harrison Road, Calcutta.
R. C. Dey & Sons, 111, Bow Bazar St., Calcutta.
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Swadeshi Shipa Factory, 213, Cornwallis St., Calcutta.
Tara Sanker Dutt & Sons, 21-A, Shambhoo Nath Pundit St., Bhowanipore, Calcutta.
Thakor Lal Hiralal & Co., 9, Dalhousie Sq., East, Calcutta.
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Hanif Nasir Bros, Kalan Mahal, No 2404, Delhi 10
Indian Jewellery Co, Chandni Chowk, Delhi
Johrimal Sri Ram, Chaori Bazar, Delhi
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Kundanlal Parakh, 25S, Maliwara, Delhi
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Mansingh Motiram, 254, Maliwara, Delhi
S Abdul Rahman Md Ahmed, Chandni Chowk, Delhi
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Bhogilal Mangalji & Co, 89, Mint St, Madras.

Karamchand Chabildass & Son, 175, China Bazar Rd, Madras

Kashavjee Devchand, 21, China Bazar Rd, Madras

P Gopalaswami Naidu & Sons, 5, Pudupet St, Saint Thomas-Mount P O, Madras Br —234, Govindappa Naicken St, Madras

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P Ignesham & Sons, Aska, Ganjam

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S Kupusami Iver & Co, Bazar, Pondicherry.

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Radha Gobinda Roy & Sons, P O, Chandni Chawk, Cuttack

S Sircar & Co, Alamchand Bazar, Cuttack

PUNJAB.

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Chhotabhai Somabhai Patel, 33, 25th Street, Rangoon

Coombes Co, Ltd, 12, Phayre St, Rangoon

Dayal & Co, 133, Mogul St, Rangoon

Gunvantlal Amritlal, 220, Mogul St, Rangoon

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Madho Prasad & Co., Tirmohani, Mirzapore.
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Minor & Dinshaw, Mall, Cawnpore. (Also Watch maker).
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Anderson Wright, 22, Strand Rd., Calcutta.
Andrew Yule & Co., 8, Clive Row, Calcutta.
Angus Co., 3, Clive Row, Calcutta.
B. M. Kharwar, 161/1, Harrison Road, Calcutta.
B. N. Elias, 19D. Bow Bazar St., Calcutta.
Becker Gray & Co., 9, Council House St., Calcutta.
Bird & Co., Chartered Bank Bldgs., Calcutta.
Birla Bros., Ltd., 8, Royal Exchange Place, Calcutta.
Blackwood, Blackwood & Co., 2, Mango Lane, Calcutta.
Calcutta Hessian Exchange, 98/2, Clive Street, Calcutta.
Calcutta Jute Manufacturing Co., 4, Lyons Range, Calcutta.
Chhajuram & Sons, 100, Clive St., Calcutta.
David Sassoon & Co., 4, Lyons Range, Calcutta.
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G. & M. Fogt., 2, Garstin Place, Calcutta.
George Henderson & Co., 101/1, Clive St., Calcutta.
Gillanders Arbuthnot & Co., 8, Clive St., Calcutta.
H. J. Ziessen & Co., 5, Dalhousie Square East, Calcutta.
Hoare Miller & Co., 5, Fairlie Place, Calcutta.
Imperial Chemical Industries, Ltd., 18, Strand Rd., Calcutta.
James Finlay, 1, Clive St., Cal.
Jardine Skinner, 4, Clive Row, Calcutta.
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Louis Dreyfus & Co., 2, Clive Row, Calcutta.
Ludlow Jute Co., Ltd., 7, Royal Exchange Place, Calcutta.
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M. M. Ispahani & Sons, 51, Ezra Street, Calcutta.
Mitsui Bussan Kaisha, Ltd., 100, Clive St., Calcutta.
Raghunath Das Sewlall, 62, Clive St., Calcutta.
Ralli Bros., 16, Hare Street, Calcutta.
S. Manasseh & Sons, 7, Mission Row, Calcutta.
Senda & Co., (India), Ltd., 135, Canning St., Calcutta.
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Moran & Co., 4, Lyons Range, Cal.

Ramjeevan Sarawgee & Sons, 14, Clive Street, Calcutta.

W. J. Walker & Co., 6, Commercial Bldgs., Clive St., Calcutta.

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Birkmyre Bros., 6, Clive Row, Cal.

Blackwood Blackwood & Co., 2, Mangoe Lane, Calcutta.

D. L. Miller & Co., McLeod House, Calcutta.

G. and M. Fogt., 15, Ram Babu Rd., Cossipore, Calcutta.

Geo. Henderson & Co., 101/1, Clive St., Calcutta. (Jute, Gunny, Coal, Tea).

Harsing Nehal Chand, 2, Portuguese Church St., Calcutta.

J. C. Duffus & Co., 104, Clive St., Calcutta.

Joydial Kasera & Co., 2, Royal Exchange Place, Calcutta.

Jute Industries, Ltd., 1-A, Hare St., Calcutta.

Karnidan Rawat Mull, 146, Harrison Rd., Calcutta.

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P. G. & W. Sawoo, 3, Fairlie Place, Calcutta.

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Chunilal Biseswarlal, Beharigan), Bhagalpur.

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Chaganmall Tola Ram, Gokulnagar, Purnea.
Chand Mall Lun Karan, Jogbani, Purnea.
Dhanraj Bhikamchand, Kishanganj, Purnea.
Gayaprosad Udaichand, Forbesganj, Purnea.
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Chhaganmull Tolaram, 2, Church Lane, Calcutta.
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Jute Industries Ltd., 1A, Hare Street, Calcutta.
Jute Supply Agency, 137, Canning Street, Calcutta.
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Prabartak Jute Mills Ltd 61, Bowbazar St Calcutta

Premchand Jute Mills Ltd Chengail, B N Ry Mng Agents Sitanath Roy & Bros, Sovabazar St Calcutta

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Golabari Jute Press, 244, Upper Chitpur Road, Calcutta
H K Bank & Co's Jute Press, Kissengunj, Purnea
Hanuman Jute Press, 38, Ghoosery Road, Howrah
Hooghly Hydraulic Jute Press, Chitpore, Cossipur, Calcutta
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Union Jute Press, 10, Dilerjung Rd, Chitpore, Calcutta
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Indian Hosiery Machine Makers (Regd.), Hospital Road, Ludhiana. (Punjab).
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Kalsi Mechanical Works, Builders of Highclass Hosiery Machines Nandpur, Ludhiana.
Katrak Hosiery Works, 102, Princess Street, Bombay
Mistri Beera, Paper Bazar, Jullundur City
Mistri Farzand Ali, Lal Bazar, Jullundur City
Mukherjee's Fine Art Syndicate, 23, Beioy Kissen Street, Utarpara, Hooghly
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National Art Emporium, Lahore
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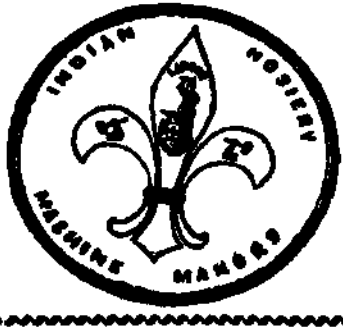
Hiralal Balabhai, Limboosery, Surat
Balaram Parbhudas, Gopipura Pancholivad, Surat



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Fine Art Embroidery Co, 10, Shama Charan Dev Str. Calcutta
G B Co, 7, Ashu Babu Lane, Kidderpore, Calcutta (Suchi chitravali Makers)
Ghosh & Son, 62/7, Mirzapur St., Calcutta.
Karim Bux & Elahi Bux Bros. 58-4 Canning Str Calcutta
L Mullick, 24, Dharamtala St, Calcutta
Manif & Co G22 Hogg's Municipal Market, Calcutta
Rezwan Ali Mullick, D-6 & 7, Municipal Market, Calcutta
Smart Embroidery & Co 1/1, Mechua Bazar Str, 2nd Floor. Calcutta

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Behary Lall Peary Lall Fatehpuri St, Delhi
Indian Lace & Emrboidery Works, Kucha Seth, Dariba Kalan Delhi
Kameline Lace Mills Ltd Subzimandi, Roshanara Road, Delhi
Kishen Chand & Sons Chandni Chowk, Delhi
Moti Lall Sibban Lall, Dariba Kalan, Delhi
Pearey Lall Moti Lall Jain, Fatehpuri Bazar, Delhi

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C K Huchappa & Bros. Bangalore
Chainsukh Gulabchand, Purohitji Ka Khada, Jaipur City
Singh Singh & Co. Srinagar, Kashmir
T K Peter & Co, Muvatupuzha, Travancore

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Jhamatmal Naroomal & Co, 12, High Rd, Triplicane, Madras
V Subbaraya Chetty & Sons, Devaraja Mudali St, Madras
Varadashah Lace Factory, Triplicane, Madras

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Nagarkar & Sons Upper Bazaar, Mangalore, S Kanara

MERWARA.

Hajarimal Jodhraj Inside Madar Gate, Ajmer

RANGOON

Hok Fong & Co. 58/60, Phayre St, Rangoon

PUNJAB.

Khwaja's Indian Industrial Works, Chaman St Ludhiana
Weaving Company, Palanpur, N Gujrat

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Empire Trading Co, Ramghat, Benares
Gudhardas Jagmohandas, 21, Gyanbapi Benares City
Gopal Das Damodar Das & Sons, 33 Govindji Naick Benares City
Gulab Chand Lakhmi Chand, Kinari Bazar Agra
Indian Stores, Chowk, Benares
Kanhiya Lall Rameshwar Prasad, Chawk, Cawnpore
Khan Bros Sanitary Rd, Lucknow
Lal Behari Tandon, Chauk, Lucknow
Lucknow Fine Arts, Chowk, Lucknow
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Bombay Incandescent Light Co, Pydhoni Tram Jn Bombay 3.
C S. Pochee & Son, Show Room & Factory—586, Chira Bazar, Girgaum Road, Bombay 2.
Chandra Nath Biswanath, 282, Upper Chitpore Road, Cal
Dewan Chand & Sons, 218, Harrison Road, Calcutta
Dinshaw Master & Co, Ltd, 247, Nagdevi Street, Bombay 3.
F & C Osler Ltd 12, Old Court House St, Calcutta
F. Racek & Co., 111, Radha Bazar Street, Calcutta. H.O. P O Box 2006, Bombay 2 Br —P O Box 1248, Madras P O Box 389, Colombo
Farashgunj Braid Factory, 43, Malakartola, Dacca (Lamp wicks)
Fircidaire & Delco Light Products, 62, Hazra Road, Calcutta
General Incandescent Light Co, 14/4, Old China Bazar Street, Calcutta
H Malik & Sons, Lahore
Ismailjee Ahbhoy & Son, (Ferozeporwala), New Market Road, Karachi
Jaffer Noormahomed, Frere St, Karachi
K C Dey & Sons, Head Office — 96, Lower Chitpur Road, Cal Br —184, Dharamtala Street & 80, Lower Chitpur Road, Cal (Dey Light & Acetylene Gas lamp)
Kamalaprasad Goenka, 28, Old China Bazar Str, Calcutta
Kathiawar Industries, Wadhwan City, Kathiawar (Hurricane)
Kesoram Cotton Mills, Ltd, 8, Royal Exchange Place, Calcutta (Lampwicks)
Mahomed Ebrahim & Co, 186 Chakla Street, Bombay
Nandolal Paul & Bros, 188, Old China Bazar Str, Cal
Ogale Glass Works Ltd, P O Ogalewadi Satara (Hurricanes)
Purnendu Sen, Jatiya Bhandar Palong, Faridpur, (Lamp wick)
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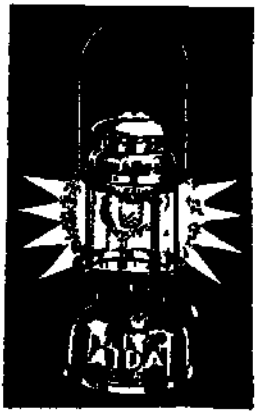
Roy Bros 12, Jambulvadi Off Kalbadevi, Bombay
S N Gandhi, Dhrangadhrawala Pydhoni, Bombay 3 (Incandescent lamp)
Sarat Ch Dass & Sons, 198, Old China Bazar Str, Calcutta



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Sun Co, Tanjore
Swadeshi Silpa Bhandar, 194, Old China Bazar Str., Calcutta
T G Shah, Bunder Rd, Karachi
T V Ramanappa Setty, Munro St, Anantapur
Thakurdas & Sons, Hyderabad. Sind Hurricane Lantern)
Upper India Glass Works Ltd, Ambala City
Upper India Manufacturing Co., 15-30-36, Civil Lines, Cawnpore.

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Holt & Co, 11, Elphinstone Circle, Fort, Bombay
M S Mullick & Bros, & The Indian Tallow Supply Co, 21, Tiretta Bazar St, Calcutta Br· 28, Canal South Rd, Calcutta.
Mohd Karim Mugal & Sons, Rawalpindi
S C Sons, Ld, 14, Clive Str, Calcutta (Tallow)
Varadasheh Lard Factory, Triplicane, Madras

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India Leather Mnfg Co Hide Rd, Calcutta
M M Shirazi & Sons, Hide Rd Calcutta

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S Abdul Ghani & Sons, Kashmere Gate Delhi
Verma Leather Factory, Burn Bastion Road Delhi

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Leather & Footwear Emporium Ranjit Road. Mody Bldg, Jamnagar
M A Shukoor Saheb & Co., Kadur, Mysore

KARACHI.

Bundally Kassim Rampart Row, Karachi

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Hussain & Co, 6 Stringers' Str, Madras

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Eastern Commercial Co, Porto Novo S Arcot

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Gold Field Leather Works, 158-160, Princess Street, Bombay.
Indian Pickers Mfg. Co., 168, Samuel Street, Bombay, No. 3.
K. Chapman & Co., Sandhurst Rd., Bombay.
Kamruddin Adamji & Co., 449, Bhendy Bazar, Bombay.
Lucky Brothers, 1, Sayanar Bldg., Lohar Chawl, Bombay 2.
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Basaveshvar Leather Goods, Shahapur, Belgaum
Indian Leather Goods Manufacturing Co., Shahapur, Belgaum
Kamar Agency, 2423, East Street, Poona Camp.
Western Indian Tannery Ltd., Dharawi, Bombay.

BURMA.

Poonwer Trading Co., Mandalay, Burma.

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Bengal Stores Ltd., 8/A, Chowringhee Place, Calcutta. M./A. Birla Bros., Ltd.
Calcutta Velvet & Leather Works, 72, Harrison Road, Calcutta. (Medicine Handbags, Ornament cases, Suit cases).
Chowdhury Bros. & Co. 90-4 A, Harrison Rd., Calcutta.
Dewan Chand & Sons, 218, Harrison Rd., Calcutta.
E. Saty Bros., 57, Diamond Harbour Road, Calcutta.
Hindusthan Leather Shoe Industries, 57, Diamond Harbour Rd., Kidderpore, Calcutta.
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Jewel & Co., 18, Canning St., Calcutta.
J. Choudhury & Co., 14, Old China Bazar St., Calcutta.
M Husseni & Co., 10, Old China Bazar Str., Calcutta.
N Ghose & Co., 97, Clive Str., Calcutta.
National Tannery Ltd., 12, Mission Row, Calcutta.
Osman Mullick, 7, Dhuramtolla Street, Calcutta
Swaraj National Tannery, 102, Bowbazar Street, Calcutta.

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Dost Mohd. Ellahi Bux, Saddar Bazar, Delhi. (Saddles).

Onkar Narain Shiv Narain, Billimaran St, Delhi. (Bags).

Verma Leather Factory, Kashmere Gate, Delhi.

INDIAN STATES.

Gwalior Leather Factory, Morar, Gwalior.

Gulam Mohideen & Co., Doddapet, Mysore.

Jos: Leather Works & Catholic Depot, High Road, Trichur, Cochin State.

M. Moosa Raja Saheb & Sons, 24-25, Meenatchi Koil St., Bangalore Cantt.

Royal Leather Works Co, Tower Road West, Nagercoil, S Travancore.

Theobald & Sons, Mysore.

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Indian Traders Ltd., 161, Mount Road, Madras.

J. P. Hussam & Co., 172, Broadway, Madras.

L. Cotappah & Sons, Mount Rd., Madras.

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PUNJAB.

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Mohamed Hussain & Sons, Sadar Bazar, Rawalpindi.

Punjab Saddlery, Commercial Bldg., Ambala.

Sh. Inayat Ullah Mohd. Abdulla, Sargodha.

Sham Lall & Sons, 91, The Mall, Simla.

Shoe Factory, Sargodha.

Wazirabad Tannery, Wazirabad.

RANGOON.

Y. E. Modan Bros., 1-2, Sule Pagoda Road, Rangoon.

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Army & Police Equipment Supply & Co., P. O. Box No. 36, Cawnpore.

Asiatic Leather Co., Cawnpore.

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British India Saddlery Mart, Cawnpore.

Cawnpore Leather Industries, Meston Road, Cawnpore.

Cawnpore Tannery, Bhananapurwa, Cawnpore.

Cooper Allen & Co., and the North West Tannery Co., Cawnpore.

Century Leather Co., Purwa Hiraman, Cawnpore.

Curzon Leather Works, Cawnpore.

Duli Chand & Bros., Sadar Bazar, Meerut.

Fine Leather Art Co., Beconganj, Cawnpore.

H. N. Tandon & Bros., Maithan St., Agra.

Haji Mahboob Buksh Ehsan Elahi, Meston Road, Cawnpore.

Halim Boot Factory, Cawnpore.

Imperial Boots Works, Shamsul Kamar, Bara Ghalippura, Agra.

L. R. Gopinath & Co., Misri Bazar, Cawnpore.

M. Hashim & Sons, Near Civil Hospital, Cawnpore.

M. L. General Leather Works, Near Akhara, Cawnpore.

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Prova Commercial House, The Mall, Cawnpore, U P.
Rohilkhand Leather Art Syndicate, Farrash Khana, Cawnpore
Royal General Leather Works, Cawnpore
S Mohammad Ismail & Co. Meston Road Cawnpore
S. Shamshad Mohammad & Sons Cawnpore (Saddles)
Sd Md Naseeruddin Ahmad, "Sumna," Nihtaur, Bijnor Dt
T D Leather Goods Mfg Factory, Daulpurwa, Cawnpore
Tarachand Leather Works, near Akhara, Cawnpore
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BIHAR.

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Kuchwar Lime & Stone Co. 22, Canning St., Calcutta.
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National Cement Mines & Industries Ltd P O Box No. 416, 100, Clive St, Calcutta
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T Ram Nivas Singh Lime Works, Katni, C P
Tribeni Prashad Agarwal, Katni
Venket Lime Works, Katni.

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Lakshmi Stone Lime Co, Ajmere Gate, Delhi

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International Lock Factory, Kalia St., Aligarh.

J. W. Misra & Sons, Turkmangati, Aligarh.

Jain Lock Factory, Jain Street, Aligarh. (Locks, brass-letters, badges and name-plates).

Johry Lock Factory, Pakki Sarai Street, Aligarh.

K. B. Lock Works, Sarai Kutah, Aligarh.

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S. Tulsi Ram & Sons, Aligarh.
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Shri K. R. Jha & Co., Aligarh.
Singhal & Co., Manak Chowk, Aligarh.
Sparling Patent Lock Works, Marris Road, Aligarh.
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Cromptons (Bombay) Ltd., Apollo Street, Bombay.
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Duncan Stratton & Co., 5, Bank Street, P. O. Box 64, Bombay.
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Eastern Electric & Engineering Co., Hornby Road, Bombay.
Eruch D. Engineer & Co., 95, Apollo Street, Fort, Bombay.
Felber Jucker & Co., Ltd., Bank Street, Bombay.
G. M. A. Diesel & Electrical Co., Post Box 215, Bombay.
Gannon Dunkerley & Co., Ltd., Chartered Bank Building, Bombay.
Giocomo Jucker, Post Box No. 11, Bombay.
Great Eastern Engineering Co., Delisle Road, Bombay 11.
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H. C. Mueller & Co., Ltd., 24, Rampart Row, Bombay.
H. M. Mehta & Co., Apollo St., Bombay.
H. Vadilal & Co., 13, Tamarind Lane, Bombay.
Indian General Trading Co., Ltd., Goa St., Bombay.
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John Fowler & Co., (India), Ltd., Goa Street, Bombay.
Johnson & Phillips Ltd., 5, Graham Road, Ballard Estate, Post Box No. 863, Bombay.
Killick Nixon & Co., Home St., Bombay.
Krupp Indian Trading Co., Ltd., Thackersey House, Ballard Estate, Bombay.
M. H. Dinshaw & Co., 47, Apollo St., Bombay.
Macbeth Bros., & Co., Post Box No. 119, Bombay; 7, Council House St., Calcutta.
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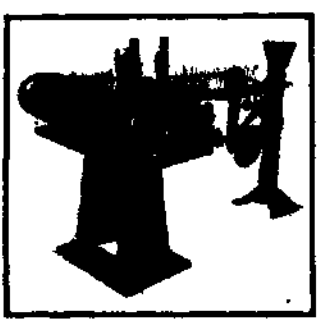

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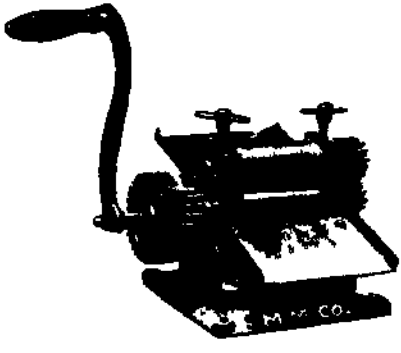

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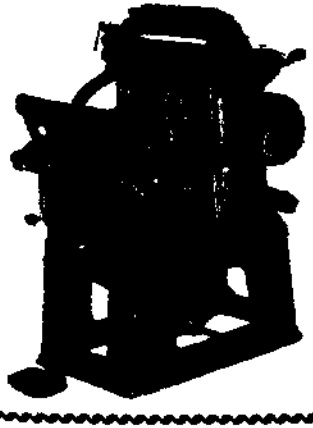

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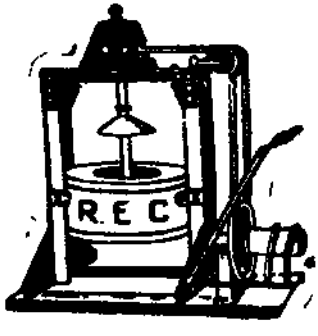

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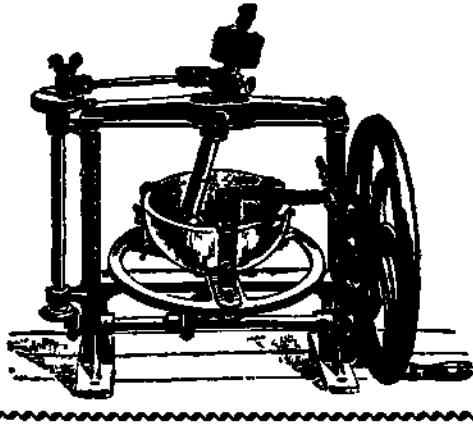

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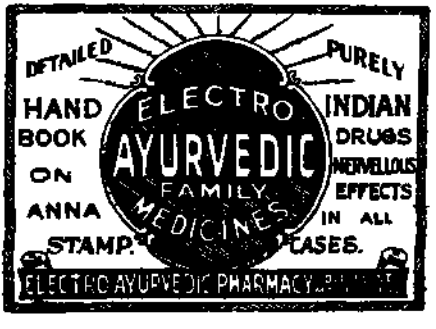

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U. P. Mica Chimney's Mfg. Company, Shidi Sarai, Moradabad.
Udaya Mica Works, Jhumri-Telaiya, Kodarma, E. I. Ry.
Wynaad Mica Mines, Cherambadi, Calicut.

MILK PRODUCTS MANUFACTURERS.

A. C. Ray's Condensed Milk, Dasarata, Faridpur.
Britannia Diary & Milk Sugar Mfg. Co., 60, Free School St., Calcutta. (Milk Sugar & Cassin).
Milkol Food Works, 14-2, Old China Bazar St., Calcutta.
Nestle & Anglo-Swiss Condensed Milk Company, Muker Nallamuthu Street, George Town, Madras. (Also Calcutta).
Palli Trading Association Ltd, Dasarata P. O., Faridpur. Condensed milk). Br:—203-A, Bowbazar St., Calcutta.
S. C. Sons Ltd., 14, Clive Street, Calcutta.
Shib & Co., 19, Corporation Str., Calcutta.
Western Creameries, Nadiad, Bombay.

MILL STORES DEALERS.

(Also see Sizing Materials Dealers).

BOMBAY CITY.

Balkrishna & Bros., 92, Nagdevi Cross Lane, Bombay.
C. Doctor & Co., 36, Tamarind Lane, Fort, Bombay.
Continental Textile Stores Co., P.O. Box No. 770, Bombay I.
Cooper & Co., 182, Ripon Road, Bombay 8.
Dadiba Ardeshir & Co., 4, Bruce Street, Fort, Bombay.
E. G. Manollies & Co., 6, Rampart Row, Fort, Bombay. Br:—Karachi, Madras, Rawalpindi, and Lahore.
Excel Trading Co., 42, Hamam St., Bombay.
Greaves, Cotton & Co., Ltd., 1, Forbes St., Bombay; McLean St., Madras.
H. M. Mehta & Co., Mubarak Manzil, Apollo St., Bombay.
H. Vadilal & Co., 13, Tamarind Lane, Fort, Bombay.
Harmukhlal & Company, Lentin Chambers, Dalal Street, Fort, Bombay.
Hiralal Gokaldas Lala & Co., 45, Nagdevi Cross Lane, Bombay.
Holt & Co., 11, Elphinstone Circle, Fort, Bombay.

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Jugmohandas Samuldas & Sons, 11, Tamarind Lane, Motilal Mansions, Fort, Bombay.
Kooverji Devshi & Co., Lohar St., Bombay.
Lupton Bros., Ltd., Sole Agts:—Duncan, Stratton & Co., 5, Bank Street, Fort, Bombay.
M. S. Kheshvala & Sons, Bansilal Mansion, Bruce Lane, Bombay.
Maganbhai Amin & Co., 105, Apollo St., Fort, Bombay.
Mangaldas Jesingbhai & Co., Sakar Bazar, Cross Lane, Ahmedabad, and Tamarind Lane, Fort, Bombay.
Minoo Mill Supply Co., 8, Hamam Street, Fort, Bombay.
Mitsui Bussan Kaisha Ltd., Kitab Mahal, 192, Hornby Road, Fort, Bombay. (Also 100, Clive St, Calcutta.).
Narottamdass Chunilal & Co., 51, Tamarind Lane, Fort, Bombay.
Ormerods (India), Ltd., P. O. Box No. 140, Bombay.
Phoenix Trading Co., 69, Cawasji Patel St., Fort, Bombay.
R. Hargovinddas, Gaiwadi Girgaon, Bombay 4. (Mill Blades).
Sethna Katrak & Co., 56, Tamarind Lane, Fort, Bombay.
Star Trading Co., 28, Apollo St., Fort, Bombay.
T. Hiralal & Co., 63, Bhajipala Lane, Bombay.
Turner, Hoare & Co., Ltd., Apollo Bunder, Bombay.
Volkart Bros., Graham Rd., Ballard Estate, Bombay.
W. H. Brady & Co., Ltd., Churchgate St., Bombay: Mercantile Bldgs., Lal Bazar, Calcutta.

BOMBAY PRESIDENCY.

Ahmedabad Colour Coy., Astodia Chakla, Ahmedabad.
Alliance Trading Co., Reid Road, Ahmedabad.
Bhagvantrai Maganlal Doshi, Astodia Chakla, Ahmedabad.
C. B. Zaveri & Co., Broach.
Continental Mill Gin Stores, Railwaypura, Ahmedabad.
Das & Co., Railwaypura, Ahmedabad.
G. Mahomed Mansuri & Bros., Khodi Amli, Ahmedabad.
General Importing & Exporting Co., 335, Raipur, Makeriwad, Ahmedabad.
Hirachand Ranchod Doshi, Reid Road, Ahmedabad.
J. M. Gandhi & Sons, 1324, Jada Bhagat Street, Ahmedabad.
N. N. Vohra & Co., Kapasia Bazar, Ahmedabad.
P. D. Padam Gati, Opp. Railway Station, Ahmedabad 2.
Swadeshi Pickers Mfg. Co., Madhavpura, New Sambhuprasad's Bungalow, Ahmedabad.
Popatlal Girdharlal & Co., Railway pura, Ahmedabad.
Tribhovandas Premji & Co., Astodia Chakla, Ahmedabad.
Vithalrai & Co., Sankdi Sheri Lalavasa Street, Ahmedabad.

CALCUTTA.

A. N. Moitra & Co., Hedger Rd., Alumbazar, Calcutta.
A. N. Hussunally & Co., 28, Strand Road, Calcutta.
Abdul Hussein Hasanbhoy & Co., 93/2, Clive Str., Calcutta.
B. Shroff & Co., 15, Chittaranjan Ave. (South), Calcutta.
Bihar Mill Stores, 2, Church Lane, Calcutta.
Bengal Supply Agency, 84/A, Clive St, Calcutta.
Bengal Tube Supply Co., 18, Raja Woodmunt Street, Calcutta.
British Engineering Stores Ltd., 11, Clive Row, Calcutta.
Calcutta Stores & Supply Agency, 24, Raja Woodmunt St., Cal.
Das & Company, 22, Canning St., Calcutta. H. O:—Apollo Street, Bombay. Br.—Ahmedabad.
Gangulee & Sircar Co., 84A, Clive Street, Calcutta. (Supplier of Tea Garden & Mill Stores).
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M. S. Agarwala & Co., 22-A, Machua Bazar Street, Calcutta.
Manot Brothers, 43, Armenian Street, Calcutta.
Mill Stores & Belting Co., 86, Clive Str., Calcutta.
Mitsubishi Shoji Kaisha, Ltd., 135, Canning Str., Calcutta.
Mockerjee & Co., Rampuria Chambers, 10, Clive Row, Cal.
Morris Butler & Company, 12, Dalhousie Square, Calcutta.
National Trading Co., 12, Dalhousie Square East, Calcutta. Br:—Bombay.
P. C. Dutt & Co., 84/A, Clive St., Room No. A/166, Calcutta.
Seroggie Bros., 2, Clive Ghat Str., Calcutta,
Simpson & Munro, 1/A, Hare Str., Calcutta.
United Trading Agency, 84/A, Clive Street, Calcutta, (Also Tea Garden Store Suppliers)

DELHI.

A. Worah & Co., Chawri Bazar, Delhi.
Laxmi Engineering Co., Kucha Bulaki Begum, Delhi.
R. M. Borivala & Co., Chawri Bazar, Delhi.

INDIAN STATES.

Balubhai & Co., Ghadiali Pole, Baroda.
G. D. Vorass, P.O. Box 22, Rajkot, Kathiawar.
G. R, Gopal Krishna Rao, Auvanaswarem, Travancore.
Ghatalah Industrials & Research, Bangalore City.
Lohmann & Stolerfoht A. G. Agent—A. Seth & Co., Mehta Pole, Baroda.

KARACHI.

Mill Stores Co., Napier Road, Karachi.

MADRAS CITY.

Deccan Sugar & Abkari Co., Ltd., Parry's Bldgs., 1st Line Beach, Madras.

MADRAS PRESIDENCY.

Pollachi Trading Co., Market Road, Pollachi, Coimbatore.
Seth Atmaram Nandaram, Bazar St., Erode.
South Indian Commerce Co., Pennington Road, Tanjore.
Sri Anjaneya Mill Stores, Rama Engineering Works, Vizianagram, Dt. Vizagapatam.

RANGOON.

S. M. Ismailjee, 65, 26th Street, Rangoon.

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Ajayab-Ghar Organisation, 12/30, Gwaltoli, Cawnpore.
H. R. Brothers & Co., Swami Shraddhanand Park, Meston Road, Cawnpore.
Kodesia Engineering Co., Nainital Road, Bareilly.
Ramnarain Chela Ram, Sudder Bazar, Meerut.
Shiam Narain Kishen Narain, Chouk Bazar, Cawnpore.
Shri K. R. Jha & Co., Grand Trunk Road, Opp. Edwark Park, Aligarh.

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(Also see Metal Merchants).

BALUCHISTAN.

Baluchistan Chrome Co. Ltd., R. S. Hindubag, Baluchistan.

BENGAL.

Venesta Tea Lead Rolling Mills, and Venesta Box Factory, Kamarhati, 24-Pargs.

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Kimsi Buru Chromite Mine, P. O. Chaibassa, Singhbhum.
W. Young & Co., Kalunga, Singhbhum, B. N. Rly. (Also Mining Contractors). Br:—Gua, B. N. Rly.

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Central Trading Co., 5, Nawab Badruddin St., Calcutta.
Calcutta Mineral Supply Co., Ltd., 31, Jackson Lane, Calcutta.
Graphite Mining Co., 5, Pollock Street, Calcutta
Howrah Mineral Stores, 2, Raja Woodmunt St., Calcutta.
India Minerals & Prospecting Co., 9, Dalhousie Sq., East, Calcutta.
Indian Graphite Co., Ltd., Chartered Bank Bldgs., Calcutta.
Minerals & Sizing Materials Ltd., 29, Clive St., Calcutta.
N. K. Sarkar, 10, Chowringhee Road, Calcutta.
Oriental Minerals Syndicate, 16, Commercial Bldgs., Calcutta.
P. Burge & Co., Behind Statesman Office, 94, Central Avenue, P.O. Dharamtallah, Calcutta
Pacific Minerals Ltd., 100, Clive St., Calcutta
S. N. Bros., 1, Gourdas Basak St., Barabazar, Calcutta.
Trading Overland Co., 22, Canning St., Calcutta.

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Central India Mining Co., Ltd., Kamptee, Nagpur.
Central Provinces Manganese Ore Co., Ltd., Nagpur.
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Rao Saheb D. Laxminarayan's Mines, Kamptee, Nagpur.

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Deccan Gold Fields Development Co., Ltd., Yadgiri, Deccan.
Gypsum Mines, Bhadwasi, Marwar.
Mysore Asbetos Product Coy., Mysore.
Mysore Chromite Coy., Ltd., Arsikere, Mysore.
Mysore Gold Mining Co., Ltd., Marikuppam, Mysore.
Nundydroog Mines, Ltd., Oorgaum, Kolar. (Gold).
Oorgaum Gold Mining Co., of India Ltd., Oorgaum, Kolar.
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Tulsidas Bhawanamal & Co., Max Denso Hall, Bunder Road, Karachi. (French Polish).

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General Sandur Mining Co., Ltd., Kammatharuvu, Sandur, Bellary. (Manganese Ores).
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Oakley Duncan & Co., Ltd., Oaklipuram, Madras Presy.
Sankar (Gold) Mining Syndicate, Ltd., Sydapuram, Dist. Nellore.
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ASSAM

Assam Engineering Works, Gauhati

BENGAL.

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Motor Accessories Co, (1921), Muzaffarpur

Patna Motor Works, Bankipore, Patna

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Bulsar Motor Stores, Vallabhdas Kanji Building, 177-A, Princess Street, Bombay

C Vakil & Company, Velkar Building, Opp Y M C A Lamington Road, Bombay 4

Central Maintenance Service, 96, Master Building, Bazargate St, Fort, Bombay

Fisk Tyre Co, (India) Ltd, Ford Automobile Co's Premises, Hughes Road, Bombay

Hormasji Sorabji & Sons, 33-35, New Queen's Rd, Bombay

K R Baldev & Co, Near Imperial Cinema, Lamington Road, Bombay

Kant & Co, Minerva Mansions, Sandhurst Road, Bombay 4

Laxmidas & Dwarkadas, Laxmi Bhuwan, 464 66, Sandhurst Rd Bombay 4

Motor and Carriage Stores, 155 Bhendy Bazar, Bombay 9

Nassur Hajee Mowjee & Co Nassur Building, Mahomedali Road, Bombay

Rane Ltd Queen's Rd, Bombay Mount Road Madras

Universal Automobiles, 58, Sandhurst Road, Bombay

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Bariya Motor Stores, Station Rd Nadiad, Kaira

Ebrahim & Co East St, Poona

Parikh Motor Stores, Station Rd Nadiad, Kaira

N D Bhagwat & Sons, Bombay Agra Road, Nasik

Vasant Motor Stores, Navipeth Sholapur

BURMA.

Bassein Motor Works, Strand Road, Bassein

H H Ganny & Co, Myaungmya

Watson & Son Ltd,, 163, Phayre St, P O Box No 178, Rangoon

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Asiatic Motor House, 91, Lower Circular Road, Calcutta

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F R Joseph & Co, 9, Waterloo Str, Calcutta
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Eastern Motor Stores, 11, Chowringhee Road, Calcutta
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Punjab Motor Stores 20, Ashutosh Mukherjee Rd, Calcutta,
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Jamnadhar Potdar, Akola, Berar
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French Motor Car Coy, Kashmere Gate Delhi
Imperial Cycle & Motor Coy, Kashmere Gate, Delhi
Pioneer Motor Works, Queen's Road, Delhi

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Gopinath Lal Behari Rewa
Imperial Motors, Main Road, Trivandrum, Travancore.
J D Malaviya & Co, Junagadh, Kathiawar
R Patel & Co St Marks Road, Bangalore
R Shah Seth & Co, 98, Kalasipalayam, Main Road, Bangalore
Sarada & Co, Mysore Bank Bldg, Mysore
Vaishya & Mukherji, Jayendra Ganj, Gwalior

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English Cycle & Motor Importing Co, 9, Broadway, Madras
Imperial Motor & Cycle Trading Co, 195, Mint St, Madras
Madras Motor Sales Co, "Khaleel Mansions," Mount Rd, Madras
Motor & General Trading Co, Mount Road, Madras
Motor Reconditioning Station, 161, Mount Rd, Madras
P Simon & Co, 23-24, Errabalu Chetty St, G T, Madras
Raghunandan & Co, 1/11, Mount Road, Madras
Standard Motor Electric Works, General Patter Rd, Madras
Union Co 17, Mount Road, Madras
W A Biardsell & Co, Ltd, Second Line Beach Madras

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Misquith Motor Company Hampankatta, Mangalore, S Kanara
R Thandapani Chettiar, Negapatam, Tanjore
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L Brindaban Murarilal, Kalka, Ambala

RANGOON.

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M B Motor Store, Sule Pagoda Road, Rangoon
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Basant Lall & Sons, Sudder, Meerut
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Giria Motor Works, Sitamarhi, Muzaffarpur
Gokalchand Babulal, Gokal Building, Khatauli, Muzaffarnagar
Hussain & Co, Maidagin, Benares City
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Bombay Motor Sales, Ltd, 16, New Queen's Road, Bombay

Ford Automobiles (India) Ltd, "Ford Building," Hughes Road, Bombay

General Motors India Ltd, Fosbery Road, Sewri, Bombay

Indian Automobile Co, Ltd, 4, Apollo St, Fort, Bombay

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Mody & Co, East St, Poona Br —29, New Queens Road, Bombay

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Sholapur Motor Stores Murarjee Peth, Sholapur

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Allen Berry & Co, 24, Park St, Calcutta, Queen's Rd, Delhi

Anglo Asiatic Automobile Co, 40B, Free School St, Calcutta

Bengal Motor Works 3, Mango Lane, Calcutta

Breakwell & Co, 44, Free School Street, Calcutta

Calcutta Motor Car & Electric Co, 9A, Dalhousie Sq East, Cal

Eastern Bengal Motor Co, 40, Park Street, Calcutta

Ford Motor Company of India Ltd, 2, Justice Chandra Madhab Road, Calcutta

French Motor Car Co, Ld, 234-3, Lower Circular Road, Calcutta.

G McKenzie & Co, (1919) Ltd, 208, Lower Circular Rd, Cal

Great Indian Motor Works Ltd, 12, Govt Place, East, Calcutta

International Tires & Motors Ltd, 2, Rowland Rd, Calcutta

Jalan Mitra & Co, 15, Old Court House St, Calcutta

Leyland Motors Ltd, 76, Lower Circular Rd, Calcutta

Mathews & Co, 44A, Park Mansion, Calcutta (Motor Cycles)

Steuart & Co, Ltd, 57, Park Str, Calcutta.

Thornycroft (India) Ltd, 48, Diamond Harbour Rd, Calcutta

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Chunnilal N Badshah, Station Road, Baroda

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Maddens Ltd, The Mall, Lahore
Narain Das & Co, The Mall, Lahore
Paris Motor Coy, McLeod Rd, Lahore

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Eastern India Agency, 36-A, Mount Rd, Madras
English Cycle & Motor Import Coy, Broadway, Madras Lansdowne Bazar, Mysore
George Ltd, Mount Rd, Madras
Oakes & Co, Ltd, Market Road, Madras
Romer Dan & Co, Mount Road, Madras
Simpson & Co, Market Road, Madras (Tyres, etc)
Standard Motor Electric Works, 33, Mount Road, Madras

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City House, West Tower Street Madura
Modern Motor Co, Hampankatta, Mangalore, S. Kanara.
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Row Bros, Bezwada, Kistna
United Motors (Coimbatore) Ltd, United Motors Building, Avanashi Road, Coimbatore

MERWARA

Rajah Motor & Cycle Garage, Mayo Road. Ajmer

ORISSA.

Nabhi Bros, Motor House, Berhampore, Ganjam

PUNJAB

Dharam Chandra Agarwal & Bros, Karnal
Gupta Workshop, Montgomery
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Seth Kanshi Ram & Sons, Sargodha

UNITED PROVINCES.

Eduljee Boyce & Co, Civil Lines, Jhansi, UP
Gopal Ram Jayantlal, Mall, Cawnpore
Kapoor Motor Stores, Moradabad
King Motor Car Co, Barhampur House, Fyzabad
Mau Motor Car Co, Mau-Nath Bhanjan, Dist Azamgarh
Mohamed Ekram Khan & Co, 5/41, The Mall Benares City
Motor Stores, Chauk, Fyzabad
Oriental Motor Works, Huzratganj, Lucknow

MUSICAL INSTRUMENT DTALERS.

(Also see Gramophone & Harmonium Dealers)

ASSAM.

M R Haq & Bros, Gauhati

BENGAL.

Dacca Musical Mart, Victoria Park (South), Dacca
Eastern Gramophone Depot Bangla Bazar, Dacca

BIHAR.

A C Das & Bros, Ranchi
Das & Co, Bankipore, Patna
Hindusthan Industrial Syndicate. Sarat Kutir, Purulia, Manbhum
Music & Sports Varieties, Arrah
Nephew Mukherjee & Co Kalyani, Muzaffarpur
Raghunath Chowdhury & Sons Sarayaganj, Muzaffarpur
Verma & Co, Hazaribagh

BOMBAY CITY.

Alexandra Industrials, 4, Alexandra Rd, Bombay 7
Bombay Phone & General Agency, 520-522, Kalbadevi Rd Bombay
Chait Singh Gurbax Singh & Bros 292M, Sandhurst Rd, Bombay
G Bose & Co, 508, Kalbadevi Rd, Bombay
Gangaphone Talking Machine Co, 432-434, Kalbadevi Rd, Bombay
James & Co, Navsari Bldg, Hornby Road, Fort, Bombay

Distribute your Handbills, Posters etc. in Simla Hills
Correspond with THE AGGARWAL STORE, SUBATHU, SIMLA

Western India Co, Wakefield House, Ballard Estate, Fort, Bombay

BOMBAY PRESIDENCY

A Annett & Co, 2432, East Street, Poona No 1

B S Kadri, Kachni Masjid, Jamalpur, Ahmedabad

Chandbhai Mohamedbhai, Ahmedabadi Bazar, Kaira

G A Madhavlal Pankornaka Ahmedabad

Shri Gajanan Cycle Works, Sada Shiva Peth, Poona City

CALCUTTA.

Bengal Stores Ltd., 8/A, Chowringhee Place, Calcutta M/A Birla Bros. Ltd

C C Saha Ltd, 170, Dharamtolla St, Calcutta

Calcutta Musical Mart, 182/8, Lower Chitpur Road, Calcutta

Calcutta Musical Stores, 5, Lower Chitpore Rd, Calcutta

Dalal's Musics & Varieties, P 2A, Taltola Avenue, Calcutta

Dwarkin & Sons 11 & 12, Esplanade, Calcutta

Enterprising Society, 43/1, Upper Circular Rd, Calcutta

H Paul & Co. 3, Wellesley St Calcutta Godown —2, Shama Ch Dey St, Calcutta

Hindusthan Musical & Varieties Syndicate Ltd 6/1, Akrur Dutt Lane, Calcutta

Howrah Music Emporium, 1B, Swallow Lane Calcutta Factory Sibpur, Howrah

J N Ghosh, 84/2 Harrison Rd, Cal

K C Dey & Sons, 96, Lower Chitpur Road, Calcutta

K Edulji & Sons, 5, Dharamtala Street, Calcutta

L C Saha, 5, Municipal Market West, Cal, 183/4, Dharamtola St, Calcutta

Modern Musics & Sports Co, 4 & 6, British Indian St, Calcutta

N B Sen & Bros, 11, Esplanade East, Calcutta

Paul & Sons, 9 1 2, Arpuly Lane, Calcutta

R B Das, 8 C, Lal Bazar St, Calcutta

S Das & Sons, 290, Bow Bazar Street, Calcutta

S N Bhattacharya, 5, Dharamtala St, Calcutta

T E Bevan & Co, Ltd, 21, Old Court House St, Calcutta.

CENTRAL INDIA.

De Guerra Music House, Post Office Road, Mhow

DELHI

Central Gramophone Agency, Chandni Chowk, Delhi

Dutta Music Mart, Egerton Road, Delhi

Inder Singh Bros, Nai Sarak, Delhi

INDIAN STATES.

Bapalal M Musician, Bajwada Khatri Pole, Baroda

Jacobs & Co, Kottayam, Travancore

K V Mathews, Ernaculum, Cochin

M D Duttatraya & Co, Residency Bazar, Hyderabad, Dn

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Reid & Co, Reid Bldgs, Oxford St, Secunderabad, Deccan
Rupchand & Sons, Bhabran Bazar, Bahawalpur
Vyravan & Co, Balamore Road, Nagercoil Travancore

KARACHI.

Apollo House, Elphinstone St, Karachi
Hemandas Chellaram, Bunder Rd, Karachi
Khemsing & Sons, Bunder Rd, Karachi

LAHORE.

Babras Musical & General Agency, 201 Mayo Road, Moghalpura Lahore
British Piano Saloon, 11, Sir Shadi Lal Bldgs, Lahore
Music House, Anarkali St, Lahore

MADRAS CITY.

Homer & Co, Broadway, Madras
Hutchins & Co 185 Broadway Madras
Mahomed Ebrahim & Co, Rattan Bazar, Madras
Musical Products Ltd, Mount Road, Madras

MADRAS PRESIDENCY

A R Swamy & Co New Columbia House, Srivaikuntam, Dt Tinnevelly
Kanthappa & Bros, Maidan Rd, Mangalore, S Kanara
Star Music House, Erode
T P Marimutu & Co, Tanjore
Tas o phone Co Town Hall Rd, Madura

MERWARA

Rajputana Music House, Kaiser gunj, Ajmer
Ram Dayal & Sons, Inside Madar Gate Ajmer

PUNJAB.

Highland Pipe Co, Sialkot
London Pipe Co, Sialkot City
M D Deura & Co, Sialkot City
Majid & Co, Majid Bldg, Amritsar
Military Bagpipe Mnfg Co, Sialkot
Mohammad Yar & Sons, Sialkot
Paras Ram & Bros, Solan, Simla
Petro Brothers, Sialkot City
S Henry & Co, Sialkot City

RANGOON.

Burma Talking Machine Co, 483, Dalhousie Street, Rangoon
Callard & Co 72, Phayre St, Rangoon
Misquith Ltd 278, Dalhousie St, Rangoon
Sen Brothers, Dalhousie Street Rangoon

UNITED PROVINCES.

A Godia & Co Bombay Bazar, Meerut
Balbir Bros, Aligarh
Benares Radio Gramophone Stores, Godhoulia Benares City
H & I Gregory Bombay Bazar, Meerut
Maxitone Record Co Ltd, Meston Rd Cawnpore
Misri Flute Co & Music Warehouse, Chowk Bazar, Aligarh
R C Graduate Bros, 114 A Bridge St, Graduate Buildings, Meerut
Ram Singh & Bros, Chowk Bazar, Aligarh
Sakhri Bros, Kambli Gate, Meerut City
Singh & Co Near Choti Deokali Temple, Ajodhya, Fyzabad
Sultan Co, Aminabad Park Lucknow

MYROBALAN DEALERS.

Akbar Khan & Sons, Jonesganj, Jubbulpore
Kona Krishna Rao Narasapatnam, Vizagapatam
Lakhmichand Keshrichand, Betulganj, P O, Betul
Mangtulal Rewashwas, Betulganj P O Betul
Mathuradas Mulchand, Katni
P Mathuradas & Co, Parasia

NEWSPAPER AGENTS.

Ajit Kumar Sarkar, Lohagara, Jessore
Burma News Agency, 125, 126, Scott Market, Rangoon
D B Taraporevala Sons & Co 210, Hornby Road, Bombay

For Sale ! Typed Addresses (Ready to paste and post) of Educated persons of India, Burma & Ceylon. Samples Free from: B. Dutt, Gauhati

English Book Depot, Wazirali Building, Ferozepore Cantt
Excelsior News Agency, Vizianagram City
Hirji Govindji, Gandhigunj, Jubbulpore
J M. Jaina & Bros., P. O, Box No 76, Mori Gate, Delhi.
Lakshman Singh, Roseia Ghat, Dt Darbhanga
Madras News Agency, 183, Mount Road, Madras
News Agency 148, Big Bazar St, Trichinopoly
News Agency, 6173, Chipitola, Agra, U P
P C Dutt, Sibsagar, Assam
Prakash Educational Stores, Near Tehsil, Meerut City
Premier News Agency, Nagercoil, S Travancore.
Rama News Agency, The Mall, Simla (6).
V B Bagve, Dadar, Bombay 14.
Shree Krishna Trading Agency, Shimoga Road, Bhadravati & Big Bazar, Shimoga, Mysore
Singhal News Agency, Aligarh
Sree Ram News Agency, Sree Ram Institute Bldgs, Erode
Times Modern Mart, Mettu St Salem
Wadhu Mal & Co, Fish Market, Sehwan, Larkana, Sind

NIB MANUFACTURERS.

C M Karmakar & Co Comilla
Dhoomimal Dharamdas Chaori Bazar, Delhi
D N Gooptu & Co Ld, 12, Behagbata Rd, Calcutta
G C Law & Co, 63 Radha Bazar Street Calcutta
Ideal Pen Works Sialkot Punjab
Ishar Singh, Roberts Rd Lahore
Kulkarni Bros, Pannalal Terrace, Bombay 7
M Hriday Narayan, 32, La Touche Road, Lucknow
Nib Manufacturing Co, Ltd, Malvan, Bombay Presidency, Dt Ratnagiri
Orient Ltd 14 Balai Singhee Lane, Calcutta
Puri Iron Works Gujrat, Punjab
Ramchandra Industrials, Gwalior
Ram Nib Factory, Malvan, Ratnagiri
Tambat Bros Lashkar, Gwalior
V S Ball & Co, 240 Hornby Rd, Fort, Bombay
Wase Bros, Sialkot Punjab

NURSERYMEN & SEEDS MERCHANTS.

BALUCHISTAN

Quetta Fruit Agency, Yate Road, Quetta

BENGAL.

Agriculture & Horticulture Farm, Jiaganj, Murshidabad
G Ghosh & Co, Town End, Darjeeling
K & B Bros, Panchanantala St, Bally, Howrah
L B Pradhan & Sons, The Citrus Nursery, P O Pakyong, Sikkim, (Bengal)
Nau Rang Lall Agarwala, P O Kalimpong, Dt Darjeeling

BIHAR.

Darbhanga Nursery, Rusera, Darbhanga
Dijon & Son, Ghatsila (Rose)
Grand Nursery, Darbhanga
Lawrence Nursery, Darbhanga (Mango)
M Bhuttacharji & Sons, The Rose Gardens Mihijam E I R
Maharaja Garden Nursery, Rusera, Darbhanga (Also Fresh Fruits & Grapes)
Mihijam Nursery Mihijam, S Parganas
Muzaffarpur Orchard & Nursery, Muzaffarpur (Mango & Litchee)
P Bhatcharji & Son, Empress Jubilee Gardens, Deoghar P O, S Parganas
Pupunki Ajabhak Ashrama Industries & Agriculture P O Chas, Manbhum

BOMBAY CITY

Anim Nursery, Girgaon, Bombay
Devram Ramji, O/p Victoria Gardens, Byculla Post No 8, Bombay

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Palekar & Co, Sitaram Bldg, Near Crawford Market, Bombay

BOMBAY PRESIDENCY.

Gujrat Seed Stores, Nadia, Kaira
N Cooper & Co Napier Road, Poona
Patel Seed Stores Near New Post Office, Nadia, Kaira
Pestonji P. Pocha & Sons, 8, Napier Rd, Poona.
Vishnoo Sadashiv & Co Camp, Poona

CALCUTTA

A Bose Ltd, 9, Flower Stall, New Market Calcutta
Barnard & Sons Kalighat, Calcutta (Flowers)
Bose Sons & Co, 7 & 10, Biswas Nursery Lane Belliaghatta, Calcutta
C J Lumsden, 19, Convent Road, Entally, Calcutta
Das's Nursery & Flower Garden, Roy Bahadur Rd, Behala, Cal
De & Co, 210, Upper Circular Road, Calcutta
G. K. Das & Sons, Das's Nursery & Flower Garden, Roy Bahadur Road, P O Behala, Calcutta
Ghugudanga Nursery, Dum Dum Junction Calcutta
Globe Nursery 25 Ramdhone Mitter Lane, Calcutta
Great Salkia Nursery, 38 B Protapaditya Road, Cal (Flowers)
Hobbie & Co Ghugudanga, Dum Dum Junc, Calcutta
Ivy Nursery & Seeds Stores, 93-5, Hurry Ghose Str Calcutta
J Mullick & Co, 81 Jessore Rd, Phulbagan Dum Dum, Calcutta
Manna & Co, 6 1-1 Ramdhone Mitter Lane, Calcutta
May Queen Nursery Co, Post Box 11440 Calcutta (Citrus trees)
Model Nursery, 5 1 Tiljala Rd, Ballygunge, Calcutta
Nurjehan Nursery 2, Kankurgachi 1st Lane Narkeldanga, Calcutta
P P Chatterjee & Nephew, Flower Range, New Market, Calcutta
Paradise Nursery, Matrimandir, Post Box 14420, Cal (Rose trees)
Royal Agri-horticultural Society, Alipur, Cal (Flowers)
Royal Gardening Association, 59, Bentinck St, Calcutta
Sutton & Sons, Ltd, 31D, Russell Street, Calcutta

DELHI

Delhi Seed Stores, Near Rama Theatre, Delhi (Seeds)
Maharaj Lal & Sons, Kashmere Gate, Delhi
Mohan Lal & Sons, Near Rekabganj, Gurdwara, N Delhi

INDIAN STATES.

E P Ram & Sons, Alleppey, S I (Mango seeds)
Empire Nursery & Gardens, Lal Bagh, Fort Rd, Bangalore City
International Seed Co, Lal Bagh Fort Rd, Bangalore City
M Mooniswamy & Sons, Lalbagh Rd, Bangalore
M Obalappa & Bros. P. O Basavangudi, Bangalore
Majestic Nursery Lal Bagh, Fort Rd, Bangalore

KARACHI.

Khoja Alloobhai Kassim, Near Boulton Market Karachi

LAHORE

Punjab Seed Stores & Nursery, 12 Sir Shadi Bldgs, Lahore

MADRAS

Rajam & Co, 17, Mukkar Nallamuthu St, G T, Madras (Garden Architects)

MADRAS PRESIDENCY

S K I Abdul Rahiman Saib & Sons, Salem Nursery Gardens Salem

SIKKIM

Chandra Nursery, Rhenock Sikkim (Bulbs, plants, orchids)

UNITED PROVINCES

Acclimatised Seed Stores "The Ranche" P O, Dehra Dun
Bertryl Seeds Mussoorie, U P
Brookfield Seed Stores, "Brookfield," Dehra Dun
Dehra Dun Seeds Stores, P O Dehra Dun
Ghaziabad Nurseries, 31, Grand Trunk Road, Ghaziabad
Govt Botanical Garden, Saharanpur

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Himalaya Seeds Stores, Barlowganj, Mussoorie
L R Brothers, Saharanpur.
Shri Sitaram Krishi Shala. Benares City.

PUNJAB.

Minerva Farming Co, 13/14L, Via Kassowal, Dt Montgomery. (Also Food Preservative & Canning & its appliances).

OIL CLOTH MANUFACTURERS.

(See Waterproof Manufacturers)

OIL & GAS ENGINES DEALERS.

A & J Main & Co, Ltd, 10, Clive Street, Calcutta
Atlas Engineering Co, Railway Road, Lahore
Balmer Lawrie & Co, Ltd, 103, Clive Street, Calcutta
Bellss & Morcom Ltd, C/6, Clive Buildings, Clive Street, Calcutta
Berry Bros, 15, Clive St, Calcutta
Calcutta Engineering Co, 9, Clive Row, Calcutta
Duncan Stratton & Co, 5, Bank Street, Bombay
Eastern Electric & Engineering Co, 175, Hornby Road, Bombay.
F & C Osler Ltd, 12, Old Court House St, Calcutta
Greaves Cotton & Co, Ltd, 1, Forbes Street, Bombay, 60, Dharramtola Str, Calcutta
Heatly & Gresham Ltd, 6, Waterloo St, Calcutta
Indo-Europa Trading Co Ltd, (Indo-Europaesche Handelsg), 2, Church Lane, Calcutta
Indo Swiss Trading Co, 2, Church Lane, Calcutta
Jessop & Co, Ltd, 93, Clive Street, Calcutta
John Fleming & Co, Ltd, Bastian Road, Bombay
London Trading Co, Bezwada
M S Vernal & Co, Bharat Insurance Building, Central Avenue (South), Calcutta
Marshall Sons & Co, (India) Ltd, 99, Clive Street, Calcutta.
Masseys (1930) Ltd, Main Road, Royapuram, Madras.
Mirrless Watson Co, Ltd, Grosvenor House, 21, Old Court House Str, Calcutta
Richardson & Cruddas, Byculla, Bombay
Sulzer Bros, Ltd, Clive Bldgs, 8, Clive Street, Calcutta
Swiss Locomotive & Machine Works, Post Box 690, Bombay.
Worthington-Simpson Ltd, 10, Clive Street, Calcutta

OIL & LUBRICANT MANUFACTURERS & DEALERS.

(Also see Kerosene Oil Dealers).

ASSAM.

Assam Oil Co, Ltd, Digboi, Lakhimpur, Upper Assam
Budderpore Oil Co, Ltd, Badarpur Ghat, Cachar

BENGAL

Balchand Temuall, Siliguri
Himalayan Petrol Supply Co, Kurseong
R N Paul, Dig Bazar, Narayanganj
Upendra Nath Ghose, Rajpur, Sonarpur, 24-Pargs

BOMBAY CITY

Chandulal T Parikh, 299, Sandhurst Road, Bombay 4.
Greaves Cotton & Co, Ltd, 1, Forbes Str, Bombay Also Karachi, Ahmedabad & Lahore,
Motor & General Stores Supplying Co, Kothari Mansion, P O Box No 492, Fort, Bombay 1
Narottamdas Karsandas & Co, 235/37, Kalbadevi Road, Bombay
National Petroleum Co, Amin Bldg, Elphinstone Circle, Fort, Bombay
Western Indian Oil Distributing Coy, Amir Chand Bldg, Ballard Estate, Bombay (Russian Petrol)

BOMBAY PRESIDENCY

Gati & Co, Opp Railway Station, Ahmedabad 2 (Texaco Lubricants)
Merit Oil & Trading Co, 2168, Reia Road, Ahmedabad

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BURMA.

Nathsingh Oil Co, Ltd, Yenangyaung, Magwe, Burma

CALCUTTA

Anglo Iranian Oil Co., (India), Ltd., Hongkong Bank Building, Dalhousie Sq., Calcutta.

Burmah-Shell Oil Storage & Distributing Co. of India Ltd, Hongkong House, Dalhousie Square, Calcutta. Br:—Bombay, Madras, Karachi & New Delhi.

C C Wakefield & Co, Ltd, 7, Royal Exchange Place, Calcutta (Also Bombay, Delhi, Karachi, Lahore, Madras)

Calcutta Stores Supplying Co, 100, Clive Street Calcutta

Central Trading Co, 5 Nawab Badruddin St, Calcutta

Don Watson & Co, 19, British Indian Street Calcutta

G B Co, 7, Ashu Babu Lane, Kidderpore Calcutta (Sewing & Typewriting Machine Oil)

Ganeshdass Ram Gopal P75 Chittaranjan Avenue, S Calcutta

Indian Mercantile Co 12/2, Clive Row, Calcutta

Moolchand Surajmull 12/2, Clive Row Calcutta

National Chemical Industries 135, Canning St, Calcutta

P Stahch & Co, 8 Old Court House & Corner Cal (Petrol saver)

Pioneer Lubricating Oil & Belting Supply Co, 4, Bolai Dutt Street, Calcutta

Robert McLean & Co, Ltd, 101, Clive Street Calcutta

Scroggie Bros, 2 Clive Ghat St, Calcutta

Shankerlall Bissesarlall, 30, Clive Str Calcutta

Silvertown Lubricants (India), Ltd, Chartered Bank Bldgs, Cal

Standard Vaccum Oil Co, 6, Church Lane, Calcutta (Also Bombay, Karachi, Madras, Rangoon)

T S Mahara & Sons, 11, Zakariah St, Calcutta

Texas Company (India) Ltd, 11, Esplanade East Calcutta Br — Madras, Karachi Bombay & Colombo (Also Asphaltum)

Tide Water Oil Co., (India), Ltd, 8, Clive Row, Calcutta Br — Bombay, Madras, & Lahore

United Oil Co (India) Ltd, Civil Line, Cawnpure

Valvoline Oil Co, B-5, Clive Bldgs, Calcutta, 2-4, 2nd, Line Beach, Madras

Victor Oil Co, Ltd, 11, Clive St Calcutta

Walworth International Co, 14/2, Clive Row, Calcutta

INDIAN STATES

Bombay Stores, Big Bazar, P O. Malleswaram, Bangalore

Ghulamali Tayabali, Neemuch, Gwalior

Kasturchand Kishan Sarup Katra Nauharian, Patiala

Madho Prasad Sitaram, Bhadohi Benares State

N Ramaswamy Iyer, Muvattupuzha Travancore State

KARACHI.

Mills Store Co, Napier Road, Karachi

Shah Bagwanlal Ranchordas, Napier Road, Karachi

MADRAS CITY

Best & Co, Ltd, North Beach Road Madras.

G Situr Agency, 144, Broadway G T, Madras

J Balagurunath Chetty & Co, 32, Govindappa Naick Street, Madras

MADRAS PRESIDENCY.

A M Nanjappa Chettiar, Near Railway Crossing, Coimbatore

A P Sankaralinga Nadar, Arupukottai, Ramnad

A S Manickram & Co, Tanjore

Asiatic Petroleum Co, Cocanada

B Sitaramiah & Sons, Ellore, Godavary

Burma Oil Co, Cocanada, Godavary

L Sadasivam, 23/264, Big Bazar Street, Coimbatore.

R Thandapani & R Sattamuthu Chettiar, Negapatam, Tanjore

Vizianagram Mining Co, Ltd, Chipurupalle P O, Vizagapatam

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PUNJAB.

Attock Oil Co, Ltd, Rawalpindi.

RAJPUTANA.

Ramchander Balabakhsh, Agents Burmah-Shell Oil Storage Co Ltd, Sambhar Lake, Rajputana)

RANGOON

British Burma Petroleum Ltd, 8, Strand Road, Rangoon

Indo-Burma Petroleum Co, Ltd., 622, Merchants Str, Rangoon, 8, Clive St, Calcutta

Rangoon Oil Co, Ltd., 8, Strand Road, Rangoon.

UNITED PROVINCES

Ram Narain Chela Ram, Sadar Bazar, Meerut

United Oil Co (India), Ltd, Civil Lines, Cawnpore.

OIL CAKES DEALERS.

A C Gandhi & Bros, Opp Atta Mills, Railwaypura P O, Ahmedabad

Balchand Kusturchand, Amalner, E Khandesh

Continental Export Company, Chamarajapet, Bangalore City

Gangaram Dhondiba, Kinggalli, Ahmadnagar

Jaganath Bajnath Oil Mill, Cooperanj, Cawnpore

J Mayr, Oil Cloth Mftrs. 1, Mission Raw, Calcutta

Jalu Ram Gobinda Ram, Jogbani, Purnea

K S Siva Rao, Mungonda, Ambajipeta Post, S India

Kuchi Rajeswara Sastry, Mungonda, Ambajipeta Post, S India

Madan Mohan Oil Mills, Bhusawal

Radha Kishan & Co, Gauhati

OIL MERCHANTS.

(Also see Oil Mills).

BENGAL.

Protap Chandra Saha, Khaga, Bachitolla, Murshidabad

BOMBAY CITY

Asian Oil & Margarine Manufacturing Co, Ltd, Kadi, Bombay

Haji Ali Haji Abdul Sakur & Co, Jail Road, Babula Talav, Umarkhadi, Bombay

Ismail Tarmohmed, 6 Tank St, Upper Duncan Rd, Bombay

BOMBAY PRESIDENCY.

Saturn Refinery (Regd), Abrama Via Vedchha, Surat Dt (Vegetable oil refiners)

Shah Bros, Richey Road, Ahmedabad

Shah Gandabhoy Gopalji, Bilimora, Surat

Shah Keshrichand Bhanbhoy, Bilimora, Surat

BURMA.

Ellerman's Arracan Rice & Trading Co, Upper Pazundaung

Ko Awe Ya, Myothil Qr, Pyawbwe, Burma (Onion & Oil).

Steel Bros, & Co, Ltd., Allanmyo, Burma (Cotton Seed Oil)

CALCUTTA

Adam Hajee Peermohamed Essack 1, Amratolla Lane, Cal

Bamapada Ghosh & Sons, 17-4, Canal West Road, Calcutta

D M Lockat, 66, Canning Street, Calcutta

Gouripur Mills, 2, Fairlie Place, Calcutta

Hajee Habib, Hajee Pir Mohamed & Co, 25, Amratala Street, Calcutta (Coconut Oil)

Hossein Kasam Dada, 26, Amratala Street, Calcutta

Khimjee Hansraj, 165, Lower Chitpur Road, Calcutta

Lolit Mohan Seal & Sons, 243, Manicktalla Main Rd, Calcutta

Mahmood Moosajee Salehjee, 158-59, Upper Circular Rd, Cal.

Mohun & Co, 10, Beadon Row, Calcutta (Mohua Oil)

CENTRAL PROVINCES.

R N Waghmare, Hinganghat, Wardha

MADRAS PRESIDENCY.

Chandaj Khubaji & Co, Guntur (Groundnut Oil)

Cochin Chemical Co, Ayalur, Cochin (Cocoanut Oil)

FOR EMBOSSING PRESS for Address dies etc Please consult:—
RAY'S INDUSTRIES, 14-1, Old Chinabazar Street, Calcutta.

D Ramaswami & Co, Guntur (Groundnut Oil).
Dasari Erriah Co, Ellore, W Godavary. (Tanning & Pungam Oil)
Ellur Kushviah, Raichur (Groundnut Oil)
K S Siva Rao, Mungonda, Ambajipeta Post, S India
Kuchi Rajeswara Sastry, Mungonda, Ambajipeta Post, S I India
M Narayana Rao & Manepalli Prasadarao, Ellore, W Godavary (Gingelli Oil, etc)
Nallam Subrahmanyam & Chunduri Subbarao, Ellore, W Godavary (Tanning & Pungam Oil)
P V Ramaier & Bros, Big Bazar, Palghat, Malabar (Oil Mundy)
P Srinivas Jettulal Singi Bellary (Groundnut Oil).
S S Palanisamy Nadar, Aruppukottai, Ramnad
S Veeraswamy Chetty & Sons Kalahasti (Groundnut Oil)
Surampally Venkateswarulu, Tuni Godavari (Gingelly Oil).
Thulasi Das Dangarjee Sait Perundurai Road, Erode
Vakkat Pockoo & Sons, P O Mararnchery, Ponani, Malabar (Copra & Cocoanut Oil)

RANGOON.

Jamal Bros, Kemmendine, Rangoon

UNITED PROVINCES.

Narain Dass Lachman Das Cawnpore (Linseed Oil)
Radha Krishna Sita Ram, Cooperganj, Cawnpore

OIL MILLS.

ASSAM.

Dasuram Mirzamull Oil Mill, Gauhati
Sree Ganesh Oil & Rice Mills, P O Tezpur, Assam, Br —188, Cross Street, Calcutta

BENGAL

Acme Oil Mills, Co, 38, Sudder Ghat, Ramkristopur, Howrah
Bhowani Pure Oil Mills, 139, Benares Road, Salkia, Howrah
Haribhusan De Oil Mill, Alamgunj, Burdwan
Howrah Oil Mills, Ramkristopur, Howrah & 135, Foreshore Rd, Howrah
Kunjlall Gouridutt Oil & Rice Mill, Barakar, Burdwan
Nuffer Chandra Atta, Oil Mill, 22, Benares Road, Howrah
Rameswarlal Benarasilal, Raneeganj, E I R
Ramdyal De's Oil Mill, Alamgunj, Burdwan
Sham Lall Oil Mill, Pangsa, Faridpur
Sreemanta Oil Mill, Khagra, Murshidabad
Surajmall Fulchand Oil Mill, Rajshahi

BIHAR.

Annapurna Rice & Oil Mills, Raxaul, Champaran.
Barshidhar Anantram, Ranchi.
Bhagwatipershad Agarwala Oil Mill, Pakur, Santhal Pargns
Dharaj Sagaur Mall Oil Mill Sahebgunj, Santhal Pargs
Laxminarayan Oil Mill, Jharia
Maturmall Dhannalall Oil Mills Sahebgunj Santhal Pargs
Ramdayal De Vardechand Oil Mill, Sahebganj, Santhal Pargs
Shew Mills Co Bhagalpur
Shree Bhagwati Mills and Foundries, P O Khagaul, Dinapur R S, Dt Patna
Shree Bihariji Mills, Patna City
Shree Mahabirji Das Mills, Lakhisarai, E I R
Shri Jagdish Mill Co, P O Naugachia, Dt Bhagalpur
Sree Kalyaneswari Mills, Sitarampur
Sreemahan Pannalall Oil and Rice Mills, Bhagalpur City
Sri Krishna Oil Mills, Kedarnath Rd, Muzaffarpur (Til Oil)
Sri Madhab Mills Ltd, Patna
Victoria Oil Mill, Bhagalpur
Vijaya Oil Mill, Near Ripon Hospital, Ahmednagar

BOMBAY CITY.

Haji Valimahomed Oomerbhoy Babula Talao, Bombay
Swastik Oil Mills Ltd., Siwri, P Box No. 362, Bombay 15.

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
Distinguished Distributors of "ROHTAS" Brand Portland Cement

Tata Oil Mills Co, Ltd, Bombay House, 24, Bruce Street, Fort, Bombay.
Vallimahamad Dossabhoy, Parsee Statue, Byculla, Bombay
Vishnu Oil Mill, Old Anjirwadi, Mazagaon, Bombay

BOMBAY PRESIDENCY.

Ambika Vijaya Oil Mill, Haripura, Kaljug Mohola, Surat
Babu Balsher, Janjira Murud, Kolaba
Gujarat Oil Mill & Mfg Co Ltd, Asarva, P O Railwaypura, Ahmedabad
Manik Oil Mills, Manikpura Bldg, Sholapur
Minikbag Oil Mills Ltd, Belgaum (Also Soap)
New Laxmi Oil & Chemical Works Ltd, Dorel, Panchmahal
Nanpura Oil & Four Mill, Adagara Street, Nanpura, Surat
Oil Mill of J H Madan & Co, Dhastipura, Near Rafiburaj, Surat
Sabarmati Railway Oil Mills, Sabarmati, Ahmedabad
Shah Bros, Richey Rd, Ahmedabad
Unjha Oil Mills Co, Unjha, (N Gujarat)

BURMA

Consolidated Cotton & Oil Mills Ltd, Myingyan.

CALCUTTA.

Ashutosh Oil Mill, 242, Upper Circular Road, Calcutta
Arjundass Gulabrey, 5, Shayamabhai Lane, Calcutta.
Banshidhar Baijnath Oil Mill, 32/4, Sahitva Parishad Str, Cal
Bengal Coconut Oil Mills Ltd., 1, British Indian Street, Calcutta
Bharat Oil Mill, 243, Upper Circular Rd, Calcutta
Bishweswar Oil Mill, 67-4 Strand Rd, Calcutta.
Deokarandass Prabhudayal Oil Mills, 36/1, Canal West Rd, Cal.
Ganesh Oil Mills, 43, Ultadanga Rd, Calcutta
Gouri Pure Oil Mills, 67/40, Strand Road, Calcutta
Hanumandas Ramkumar, 35, Lower Circular Rd., Calcutta.
Howrah Oil Mills Co, Ltd, 5, Clive Row, Calcutta
Hrishikesh Oil Mills, 237, Manicktolla Main Road, Calcutta
Jamshedji Oil Mill, 37, Canal West Road, Calcutta
Lakshmi Oil Mills, 242/1, Upper Circular Road, Calcutta
Mahesh Ch Barik's Oil Mill, 114, Manicktola Str, Calcutta
Mohin & Co, Hatpookur Road, Lilooah (Linseed & Mohua)
Rai Sahib Benod Behary Sadhu's Oil Mill, Ultadanga Main Road, Calcutta
Ramdas Mahadeoparsad, Props. Swaika Oil Mill, Lillooh (Linseed).
Sobharam Sewduttroy, 18, Mullick Street, Calcutta Hd Office—Bhagalpur City

CENTRAL PROVINCES.

Akbar Manufacturing & Press Co, Ltd, Rly Station Burhanpur
Mohamedi Oil Mills, Raipur, C P

DELHI.

Jindal Oil Mills, Delhi, Shahdra

INDIAN STATES.

Abdul Hussain Abdul Kadar & Co's Oil Mills, Pallururthy, Cochin
Cochin Oil Mills, Kochangadi, Cochin
Haridas Maneckchand & Co, Mattancherri Cochin
Mathem Varkey's Oil Mills, Shertally, Travancore
N C Chacko Oil Mill, Alleppey, Travancore.
Ramakrishna Oil Mills, Bangalore
Sivaji Soapnut & Oil Mills, Chamarajpet, Bangalore City.
St Anthony's Oil Mill, Kuthiathodu, Thuravoor, Travancore
V J Pompazi, M V Oil Mills, & Iron Foundry, Shertally, Travancore

KARACHI

Tulsidas Bhawanamal & Co, Max Denso Hall, Bunder Road, Karachi. (Linseed Oil).

MADRAS CITY.

C K Samarapuri Chetty, 1, Cunniah Naidu Street, Madras

MADRAS PRESIDENCY.

Badam Subbarao's Oil Press, Cocanada, Godavary

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
Distinguished Distributors of "ROHTAS" Brand Portland Cement

Guntakal Oil Mill & Dect. Factory, Trumenchirla, Guntakal.

Malabar Rice & Oil Mills, West Hill, Malabar.

P. Kadhar Mohideen Rowther, Lord Napier St., Erode, Coimbatore.

Ramdas Haridas Rice & Oil Mill, West Hill, Calicut, Malabar.

Shri Krishna Oil Mills Co., Mangalore, S. K. (Cocoanut Oil).

Sri Venkatesh Oil Mills, Palghat Road, Pollachi. (Cotton & ground oil & cakes).

ORISSA.

Hindusthan Oil Mills, Chauliaganj, Cuttack.

PUNJAB.

Amritsar New Steam Roller Flour & Oil Mills, Amritsar.

Ganesh Flour Mill, Lyalipur. (Hydrogenated Oil).

Krishna Oil Mills, Ludhiana.

Kuldip Oil Mills, Lahore.

UNITED PROVINCES.

Amritlal Gulzarilal Oil Mills, Firozabad, Agra.

Bansidhar Premsukhdass Oil Mills, Maithan, Agra.

Bharat Industrial Oil Mills, 39, La Touche Rd., Lucknow.

Dina Nath Narpatrai Oil Mills Co., Couperganj, Cawnpore.

Ganga Oil Mills & Ginning Factory, Couperganj, Cawnpore.

Juggilal Kamlapat Oil Mills, Couperganj, Cawnpore.

L. Jagannath Prasad & Sons, Sipad Bazar, Meerut.

L. Rattanlal Jail, Sipad Bazar, Meerut.

Matadin Bhagwandas, Bansmandi, Cawnpore.

Naraindass Lachhmandass, Nayaganj, Cawnpore.

New Premier Oil Mills, Couperganj, Cawnpore.

Radha Krishna Sita Ram, Bawandukan, Coopergan), Cawnpore.

Tikaram Mulchand Oil Mills & Ginning Factory, Hathras City.

OILMAN'S STORES DEALERS.

BENGAL.

Bombay Stores, 6/11, Adamjee Labour Line, Belur, (Howrah).

R. M. Das & Co., 119, Hrishikesh Das Rd., Dacca. (Crushed Food)

J. Tarapore & Co., Kurseong, Darjeeling.

BIHAR.

R. P. G. Vidyarthi, Eshwari Mansion, Beapur, (Patna).

BOMBAY CITY.

Chimanlal Chotalal & Co., Vadgadi, Samuel St., Bombay 3.

Hirjibhai Maneckji & Co., 9, Mangalore St., Frere Rd, Fort, Bombay.

Imperial Trading Co., 7-10, Elphinstone Circle, Fort, Bombay.

Yazdani & Co., Crawford Market, Hornby Road, Bombay.

BOMBAY PRESIDENCY.

Bombay Shop, Near Station, Ahmedabad.

N. Borabji & Co., Arsenal Road, Poona Camp.

BURMA.

B. P. Hussain Kutty, Taungdwingyi, Burma.

C. K. Abdulla, Taungdwingyi, Burma.

Imperial Stores, Well Street, Akyab.

Upper Burma Stores, Merchant Str., Mandalay.

CALCUTTA.

G. F. Kellner & Co., Ltd., 32, Chowringhee, Calcutta.

Hargovindas Tribhovandas, 55, Ezra Street, Calcutta.

J. F. Madan & Co., 5, Dharamtolla Street, Calcutta.

Mookerjee & Co., 20, Bertram St., Calcutta.

Ray & Co., 612, Municipal Market, Calcutta.

Sirajuddin Ahmed & Co., 7, Municipal Market, West, Calcutta.

CENTRAL INDIA.

Amerjee & Son, near Police Station, Mhow.

Rustomjee & Co., Montieth Road, Camp, Mhow.

CENTRAL PROVINCES.

Dinkar Trimbak & Co., Akola Berar.

M. M. Patel & Co., Akola, Berar.

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
Main Distributors of Snowcrete and Colourcrete Cement.

DELHI.

National Provision Stores, Connaught Place, Delhi.

Sheo Parshad Daya Chand, Raja Bazar, New Delhi

INDIAN STATES.

C M & Sons, 32, Devaraja Market, Sayyagi Rao Rd, Mysore

Shree Krishna Trading Agency, Shimoga Road, Bhadravati, & Big Bazar, Shimoga, Mysore

Sree Rama Chandra Stores, 18, Temple Street, Malleswaram, Bangalore

KARACHI.

Frere & Co, Bunder Road, Karachi

K J Panchand & Co, Bunder Road, Karachi

Royal Stores, Bunder Road, Near N J. High School, Karachi.

Victory Stores, Hospital Road, Karachi

MADRAS PRESIDENCY.

Andavar Stores, Fort, Coimbatore

LAHORE

F J King & Co. Railway Road, Lahore

PUNJAB.

Hampshire Piggery, Kasauli, Ambala

Indelible Commercial Syndicate, Charing Cross, Dagshai, Simla

RANGOON

E Aaron & Son, 16, 31st Street, Rangoon

New Stores, 460, Dalhousie Str, Rangoon.

OPTICIANS.

BENGAL

Diamond Optical Hall Barabazar, Midnapore

Standard Optical Company, (Regd) Station Road, Bhadreswar P O, Hughly.

BIHAR.

S A Majid, Bankipur, Patna

Chandra Optical House, Bhagalpur City.

BOMBAY CITY.

Mansukhlal Khushaldas Shah, Modasa, Ahmedabad Dt

Universal Optical Co, 340, Kalbadevi Road, Bombay.

BOMBAY PRESIDENCY.

C Govind & Co, Gandhi Road, Ahmedabad

Chandrakant Premchand & Co, Three Gates, Ahmedabad

P M Dastur & Co, 3092, Three Gates Road, Ahmedabad

Pandya Optical Works, Kanpith, Lal Gate, Surat

Surat Optical Mart, Kanpith, Surat

Standard Optical Co, Budhwarpeth, (near Post Office), Poona

BURMA.

Medicine Mart, Maymyo, Upper Burma

Moulmein Pharmacy, Corner of Dalhousie & Mission Rd, Moulmein, L Burma.

CALCUTTA

Amwell & Co. 12, Lindsay St, Calcutta

B K Paul & Co 1 & 3, Bonfields Lane, Calcutta.

Babcock & Wilcox Ltd, 4, Bankshall Str, Calcutta

Calcutta Optical Co, 45, Amherst Street, Calcutta

Eastern Optical Coy, 306, Bowbazar Str, Cal.

Enterprising Society, 43/1, Upper Circular Road, Calcutta

Fulfild Optical Co, 12, Lindsay Street, Calcutta

James Murray & Co, 5, Old Court House Street, Calcutta

K Edulji & Sons, 5, Dharmatala Street, Calcutta

Lawrence & Mayo Ltd, 11, Government Place, East, Calcutta; 17, Mount Road, Madras; 44, Hornby Rd, Bombay, 81, Phayre Str, Rangoon

London Optical Co, 306, Bowbazar Street, Calcutta.

Lyon & Lyon Ltd, 10, Park Str, Calcutta

New Indian Optical Co, 275/3, Bow Bazar Street, Calcutta.

New Optics Manufacturing Co, 267, Bow Bazar Str, Calcutta

Optik Haus, 11, Esplanade East, Calcutta

Optical Mfg House 11, Bowbazar Street, Calcutta

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
Main Distributors of Snowcrete and Colourcrete Cement.

Optics Manufacturing House, 11, Bow Bazar Str, Calcutta
P N Smith & Co, 34/1, College Street, Calcutta (Also Dentists)
Presidency Pharmacy, 205, Cornwallis Str, Calcutta
R C Ghose & Sons, 285 4 Bow Bazar Str, Calcutta
Stephens & Co, Ltd, 33, Bow Bazar Str, Calcutta
United Optical Co, 265, Bow Bazar Str, Calcutta
Walter Bushnell Ltd, 21, Old Court House St, Calcutta, 2, The Mall, Simla

CENTRAL PROVINCES.

Ahmedali & Tayebali Bombay Shop, Omti Bridge, Jubbulpore
Bajlal & Co, Lordgunj, Jubbulpore

DELHI.

Chunilal & Son, Baird Road, Delhi
Delhi Optical Co, Chandni Chowk, Fort End Delhi
Hope Optical Co Esplanade Road, Delhi
Modern Optical Co, Chandni Chowk Fort End Delhi
Mumtazuddin Faiyazuddin, Bazar Chandni Chowk Delhi
Punjab Spectacles Co, Chandni Chowk Delhi

INDIAN STATES

A I Ram & Sons, Market, Sayyaji Rd, Mysore
S N Rama Rao & Sons, Fort, Bangalore
B P Nanjundappa Bowringpet, Kolar
S R Krishna Rao, Avenue Road, Bangalore City

KARACHI

Bombay Spectacle Co, Murdkhan Road, Karachi
Kataria Optical Factory, Bunder Road, Karachi (Also Spectacle Frames, Sunglasses)

LAHORE

Dr B B Dewan & Sons, 10, The Mall, Lahore
Kripa Ram & Sons, The Mall Lahore

MADRAS CITY

M A Chari & Co, 9, Broadway Madras
M Pathe & Co, 185 Mount Road Madras
Norton & Co, 2 & 4, South Beach Road Madras

MADRAS PRESIDENCY

G T Sarma & Co Vizagapatam
K Sanyasi Rao Vizagapatam
Martin Vas & Sons Church View Hampankatta, Mangalore, S K
P Subramiah & Co, Vearanki Lock Kistna
Ram & Sons Bezwada, Kistna
Sanny & Co, Vizagapatam
Y Rama Rao & Sons Brito Bld, Hampankatta, Mangalore S K

PUNJAB

A N Janjua & Sons Chowk Bazar Multan City
Hari Singh & Sons Hall Bazar Amritsar
Phool Chand & Co, Mall Road Simla

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Dey Brothers, 290, Mogul Street, Rangoon (Also Chemists & Druggists)
E M D Souza & Co, 271, Dalhousie St,, Rangoon

UNITED PROVINCES

Benares Optical Coy Chowk, Benares City
K Krisnna & Bros, Chowk, Benares City
Metaul & Co, Bareilly
Raza Hussain & Sons, Naubasta, Lucknow
Sen & Co, Cawnpore
Union Optical Works, Moradabad
Verman Bros, Drummond Road, Agra

PADDY MERCHANTS.

Amarchand Ganga Bishan, Biratnagar, Joghani, Purnea
Ashutosh Bhattacharjee, 69-1, Chetla Road, Calcutta
Badshah Mondal Patuli Ranaghat, Nadia
Bama Charan Guha, 82, Chetla Rd Calcutta
Bejoy K Addy & Amulyadhan Addy, 74, Chetla Rd, Calcutta
Bhupal Chandra Manna & Sons 20, Chetla Road Calcutta
Chunnilall Sohanlall, Italghatta, Tallyganj 24 Pargs
Dasarathi Ganguli 85, Chetla Rd, Calcutta
Ellermans Arracan Rice Trading Co, Ltd, 4, Fairlie Place, Cal
Fakir Chandra Haldar Diamond Harbour
Gangachandra Das Sidheswari, Banseswar Cooch Behar
Haripada Ghose 2 Chetla Road, Calcutta
Hossain & Kashim Dada, 19 Chetla Road Calcutta
Indrachand Tolaram, Gauripur, Goalpara, Assam
Jadab Chandra Kailash Chandra, Sorupeta, Kamrup
Jagannath Inderchand, Parbatipur, Dinajpur
Keshab Ch Samanta & Sons, 20, Chetla Road Calcutta
M M Ispahani, 108, Chetla Road, Calcutta
Motilal Shah, Matla Bazar, Canning Town
Nagendra Nath Laha & Sons, 25, Chetla Road, Calcutta
Pulin Behari Bose, 62 2, Chetla Road Calcutta
Radha Govind Pramanick, Ranaghat, Nadia
Rajnarayan Roy, 69 2, Chetla Rd, Calcutta
Rakhaldas Addy, 78 Chetla Road, Calcutta
Sachindra Nath Mari, Birampur, Dinajpur
Sadhan Mondal, Betbaria Bansra, 24 Pargs
Satish Ch Addy, 66, Chetla Road, Calcutta
Satish Chandra Dass, Radhikapur, Dinajpur
Sita Nath Mondal, Matla Bazar, Canning Town

PAINT & VARNISH MANUFACTURERS & DEALERS.

BENGAL

Indian Commercial Syndicate, 24, Wyer Str, Wari, Dacca

BIHAR

D N Ghosh & Sons, Bankipur, Patna
Hira Lal, Bakerganj, Patna

BOMBAY CITY

Abid & Sons, 301, Sheikh Memon Street, Bombay
Blundell Spence & Co, Ltd, Rustom Building, Churchgate St, Bombay.
Cooper & Co, 53, Abdul Rehman Str, Bombay
Gahagan Paint and Varnish Co, Ltd Ferguson Road, Bombay
Haridas Keshavjee, Moolji Jetha Market, Krishna Rai Lane, Bombay 2
Indian Clay & Raw Products Supply Co, Nagdevi Street, Bombay
Kapadia Bros, Alahi Baug, Abdul Rehman St, Pydhoni, Bombay
Noble Paint & Varnish Co, Atlas Mills Compound, Reay Road, Bombay 10

FOR EMBOSSED Scent Bottle Labels please consult:—
RAY'S INDUSTRIES, 14-1, Old Chinabazar Street, Calcutta.

R Gay & Co., Exchange Bldgs., Sprott Rd, Ballard Estate, Bom-
Silvertown Lubricants (India) Ltd, Agts Killick Nixon & Co, Home St, Bombay; Chartered Bank Bldgs, Calcutta
Wilkinson Heywood & Clark, Exchange Bldg, Sprott Rd, Ballard Estate, Bombay.

BOMBAY PRESIDENCY.

B H Yelburgi, M Sc, Agrahar Str, Gadag (Distempers)
Gulamhusen Abdulali & Sons, Buranpuri Bhagal, Surat.

CALCUTTA

A D Coomar & Sons, 11, Clive Row, Calcutta
Abinash Chandra Dutt, 23-2, Dharamtala St, Calcutta
Akhoy Kumar Laha, 1, Dharamtalla St, Calcutta
Aluminium Manufacturing Co, Ltd, 9, Clive St, Calcutta
B K Datta & Co, 35, Clive Street, Calcutta
Barry & Co, 2, Fairlie Place, Calcutta
Battey & Kemp, Ezra Mansions, Waterloo St, Calcutta
Bengal Paint Supply Co, 16, Bonfields Lane, Calcutta
Bengal Paint & Varnish Works, 24, Strand Rd, Calcutta
Biswanath Dutt & Co, 203, Old China Bazar St, Calcutta (Enamel)
Calcutta Paint, Colour & Varnish Works, 14, Koibartapara Lane, Salkia, Howrah
Chandi Charan Nayak, 124-1, Bow Bazar Street, Calcutta
Commercial Stores Supply Co., 26A, Clive St, Calcutta
Dey Dutt & Co, 7, Bonfields Lane, Calcutta
Don Watson & Co, 19, British Indian Street, Calcutta
Ewing & Co., Ltd, 4, Clive Row, Calcutta
G C Laha, 1, Dharamtala Str, Calcutta
Gillanders Arbuthnot & Co, 8, Clive St, Calcutta
Hadfields (India) Ltd, M/A Martin & Co, 12, Mission Row, Cal.
Hindusthan Paint & Varnish Works Ltd., H O 76/1, Clive St., Calcutta. Factory, 122, Grand Trunk Road, Bally.
Hoare Miller & Co, Ltd, 5, Fairlie Place, Calcutta
Howrah Paint Stores, 85, Grand Trunk Road South, Howrah
Hoyle, Robson, Barnett & Co, (India) Ltd, Chartered Bank Bldgs, Calcutta
Ivan Jones Ltd, 8, Dalhousie Sqr, Calcutta
Jenson and Nicholson (India) Ltd, 2, Fairlie Place, Calcutta
Joy Gopal Dutt & Bros, 40, Clive St, Calcutta
Kali Charan Mukherjee & Co, 28, Raja Woodmunt St, Calcutta (Also Soap, marine Stores)
Koylash Chundra Dutt & Sons, 20, Bonfields Lane, Calcutta
Kundu & Co, 42-5, Clive Street, Calcutta
Law Paint, Colour & Varnish Works, 16, Ezra Str, Calcutta
Macfarlane & Co, Ltd, 18, Tangra Road, Entally, Calcutta; 45, Hughes Rd, Bombay.
Manik Lal Pal & Co, 173-1, Dharamtala St, Calcutta
McGavin & Co., 30, Strand Rd Cal
McGregor & Balfour Ltd, 11, Clive St, Calcutta.

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Napier Paint Works, 3, Moti Sil Street, Calcutta
National Chemical Industries, 135, Canning St, Calcutta
Nobin Chunder Dutt & Co, 1/19, Dharamtala Str, Calcutta
P C Banerjee, 28, Clive Str, Calcutta
P K Dutt & Co, 94, Harrison Road, Calcutta.
Robert Ingham Clark & Co. Ltd, 2, Clive Row, Calcutta Br — Ballard Estate Bombay
Robert Kearsley & Co, 2, Clive Row Calcutta
Royal Enamel & Varnish Works, 78/79, Beadon Street, Calcutta
Satish Chundra Nundy, 38, Clive St., Calcutta.
Sett & Dass Company, 78 79 Beadon Street, Calcutta
Shalimar Paint Colour & Varnish Co, Ltd, 6, Lyons Range, Cal
Shaw Wallace & Co, 4, Bankshall Str Calcutta
Standard Paint Works, 10, Beadon Row, Calcutta
Walworth International Co 14/2 Clive Row Calcutta

CENTRAL PROVINCES

Ranade & Co Wardha, C P
Narlawar Paint Works, Katni, Jubbulpore
Olphert's Paint & Products, Ltd Katni, Jubbulpore.

DELHI

Delhi Colour Paint Mart, Fatehpuri, Delhi
Kailash Bros Katra Reori Chandni Chowk, Delhi
Latif & Co Fatehpuri, Delhi
Mohd Saddiq Abdul Majid, Fatehpuri Bazar, Delhi
Ram Chand Koure Mal, Katra Tobacco, Delhi

INDIAN STATES

Bangalore White Lead Syndicate, Hoskote Rd Bangalore City
General Paint & Oil Co, Ltd., 108, Brigade Road, Bangalore.
Hyderabad National Industries, Facty Lingampally, N. S Ry. H O Shahi-Koh Osmani.
Industrial Works, Attungal P. O. Travancore
Seth Dalpatram & Co, Ranut Road, Jamnagar, Kathiawar
Vishnu Industrial Works, Vishnu Nivas, Ladwada Baroda.

KARACHI.

Abdool Hussain Noorbhoy & Co, Marriot Road, Karachi.
Bashilal Piaralal & Sons, Bunder Road, Karachi
National Duco Painting Works, Garden Road Karachi
Ramchand Gurudasmal & Sons, Water Course Road, Karachi
Tulsidas Bhawanamal & Co, Max Denso Hall, Bunder Rd., Karachi.

LAHORE.

Sir Daya Kishen Kaul & Sons, 29, Lawrence Road Lahore

MADRAS CITY

Binny & Co, (Madras) Ltd, Armenian St Madras
C Thiruvengadathan Chetty & Co 19 Venkatchella Mudaly St, Madras
Parry & Co, Post Box No. 12, 1st Line Beach, Madras
Roda & Co, 1K, Venkata Chela Mudalay St P T, Madras
Wilson & Co, P O Box No 2, Madras

MADRAS PRESIDENCY

Dixit & Co Kurundvad (Distemper Colour)
T R Rangaswamy Naidu, 341, Big Bazar Str Trichinopoly

PUNJAB

Inayutullah & Co Rawalpindi

UNITED PROVINCES.

India Chemical Research Works, Baniapara, Aligarh, U P
R & D Colour Company, 20, Govindjinath, Benares City
Saxena Bros, & Co Subzi Mundi, Lal Kothi Cawnpore

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Kadgi Abdulraoof Kasambhat, 191, Zaveri Bazar, Bombay 2
Krishna Paper Mart, 26, Mangaldas Rd, Princess St, Bombay
Mojlal & Co, 6, Mirza Street, Bombay
Parekh & Co, 58-60, Goa Street, Fort, Bombay
Sudama Paper Mart, 142, Medows Str, Fort, Bombay Br —25, Sutar Chawl, Bombay 2
United Commercial Co, 8, Parsee Bazar St, Bombay

CALCUTTA.

Andrew Yule & Co, 8 Clive Row, Calcutta
Balmer Lawrie & Co, Ltd, 103, Clive St, Cal
Bholanath Dutt & Sons, 167, Old China Bazar St, Calcutta
Binod & Co, 77, Radha Bazar Street, Calcutta
Brijbhokhand Das Parshottam Das, 59/62, Cotton St, Calcutta
Calcutta Stationery Hall, 91/2, Radha Bazar Street, Calcutta
Chandra Mohan Sur & Co, 105, Radhabazar St, Calcutta
Eastern Merchants, (Estd 1920) 14, Old Court House Lane, Calcutta
F W Heilgers & Co, Chartered Bank Bldgs, Calcutta
G Lochen & Co, 22, Canning St, Calcutta
Ghose Paper House, 8, Old Court House Lane, Calcutta
H K Ghose & Co, 41, Radha bazar St, Calcutta
J B Advani & Co, Ltd, 104, Old China Bazar Str, Cal
J Mayr, 1, Mission Row, Calcutta
J N Chatterjee & Co, 63B, Radhabazar St, Calcutta
J N Paul & Co, Ltd, 103, Old China Bazar St, Calcutta
John Dickinson & Co, Ltd., 6, Clive Row, Calcutta, 9, McLean St, G T, Madras Also Bombay and Rangoon
Kundu & Co, 109, Old China Bazar Str, Calcutta
Mukherjee, Dutt & Co, 31, Jackson Lane, Calcutta.
P Kerr & Co, 63F, Radha Bazar St, Calcutta
Purna Ch Kundu & Sons, 139, Old China Bazar St, Calcutta

CENTRAL PROVINCES

Radhamohan Ram Narayan, Jubbulpore

DELHI

Delhi Printing Works, Chaori Bazar, Delhi
Dhoomimal Dharamdas, Chaori Bazar, Delhi
Gopal Sahai Ram Keshore, Khari Baowli, Delhi
J N Singh & Co Ltd, 219, Esplanade Road Delhi
Punjabi Press, Sadar Bazar Delhi
Raghabdayal Pannalal, Chauri Bazar, Delhi

INDIAN STATES

Bhaskar Rao & Bros 79,81, Hulsoorpet Bangalore

LAHORE.

J Mahabeer & Co Ganpat Road Lahore
Omkar Trading Co, Ganpat Road, Lahore

MADRAS CITY

British India Paper Co Anderson St, Madras
C Sanjeevi Chetty & Co, 56, Bunder St, Madras
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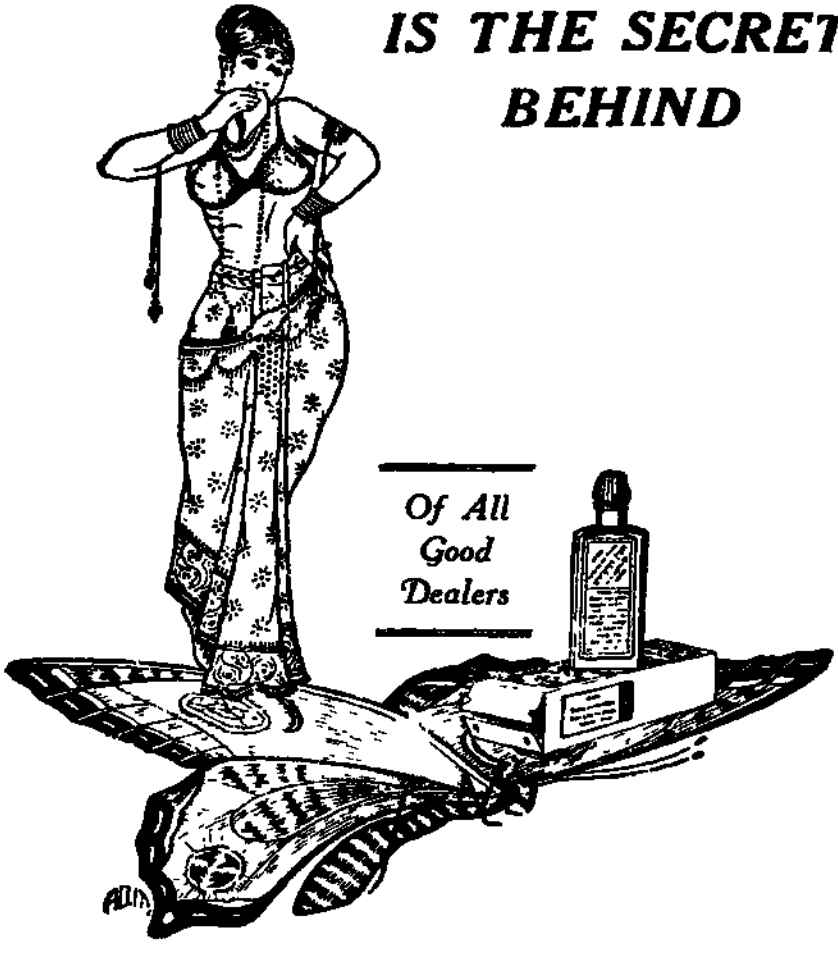

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B R Saigal & Co, 38, Circular Rd, Lahore
Day & Night Photographic Co, Jauri Mori St, Lahore
H R Salwalekar & Co 85, Mall, Lahore Br —85, Mall, Simla
Photo Engraving Stores, Anarkali, Lahore
Shunker Das & Co, Sir Shadilal Buildings The Mall, Lahore

MADRAS CITY

A Ratna Co, 3-33 Mount Road, Madras
Bangalore Photo Stores, 23 Mount Madras
Doss Brothers Punnamalle High Rd, Madras
Photo Emporium, 3 169, Mount Rd, Madras
R Dasen Studio, 13, Mint Str, Sowcarpet, Madras
Universal Studio, Mount Road, Vizagapatam

MADRAS PRESIDENCY

A Marris & Sons, Churchgate Bldg, Hampankatta, Mangalore
Nishtala Photo Stores, Main Rd, Vizagapatam
Ponniah Photo Studio, P. O Teppakulam, Trichinopoly
Radha Studio, Agraharam St, Erode
Royal Photo Works, Erode
S Vasudeva Rau's Photo Mart, Anantapur

MERWARA

J Navrosjee, Kaisarganj, Ajmer

ORISSA.

Utkal Art Gallery, Balu Bazar, Chandni Chawk, Cuttack (Also Frames, Mirrors, Glasses, etc)

PUNJAB

Bhasin Photographic Stores, Khandwala Bazar, Gujranwala
Puri Bros, Kangra
Satwalkar & Co Mall Rd, Simla

RANGOON.

T N Ahuja & Co, 86, Phayre St, Rangoon

UNITED PROVINCES

B Dorab, Phoenix Studio 185, Taj Road, Agra
Bhargava Bros, Wellesley Ganj, Mirzapur
Brajbasi Friend & Co, Muttra
H P Goel, The Mall, Cawnpore
Hari Sharan & Sons, Mussoori
John Peters & Co, Jhansi
M B Mistry, Bank House, Nainital
Mitra & Son, Mall, Cawnpore
Nand Lal Sen & Bros, Sadar Bazar, Meerut
P Cool & Co, Charbagh, Lucknow
Rama & Co, Drummond Road, Agra
S Sharma & Co, Mall, Cawnpore

PHYSICAL CULTURE ASSOCIATIONS.

Calcutta Physical Association, 40/1, Grey Street, Calcutta
Correspondence School for Physical Culture, Bangalore City.
Dr A Rollo, D N.Ph., D.S P.C., 13, Nicholson Rd., Lahore.
Friend's Physical Culture Leagues, 4th & 5th Koli Lanes, Lower Colaba, Bombay
Ghosh's Physical Culture Association, 4, Garpar Rd, Calcutta.
Gobar's Gymnasium, 6, Musjidbari St, Calcutta
Health Culture Institute, Sialkot
M V Krishna Rao, Ootacamund, S India
Modern Scientific Institute, Gowalmandi, Lahore
National Health Building Society, Trivandrum
School of Physical Culture, 140, Dharamtolla St, Calcutta

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
PREMIER PAINT AND COLOUR MERCHANTS.

PICTURE DEALERS.

BENGAL.

Rajshahi Art Gallery, Rajshahi

BOMBAY CITY

A K Joshi & Co, Kalbadevi Rd, Bombay
Bombay Art Agency, Bombay, No. 4 (Also Calendars)
Bombay Fine Art Gallery, 69, Esplanade Rd, Bombay
Joshi Bros, 113, Bazar Gate St, Bombay
Navalakhi & Co, Kalbadevi Rd, Bombay 2,
Star Art Framing Works, 90, Medows St, Bombay

BOMBAY PRESIDENCY

Lidally N Vilavatwala, Richey Road, Ahmedabad

CALCUTTA

A K Ghose & Sons, 165, Lower Chitpore Rd, Calcutta
Calcutta Commercial Bureau Kalighat, Calcutta (Picture Cards)
Dey & Co, 2-2 & 2 3, Corporation St, Calcutta
G C Babajee, 178, Lower Chitpore Rd Calcutta
Ghosh & Son, 62/7 Mirzapur St, Calcutta
Imperial Art Gallery, 57 Taltala Lane, Calcutta
Indian Art School, 257-A, Bowbazar St, Calcutta
National Art Gallery, 152, Lower Chitpur Rd, Calcutta
Punjab Fine Art Association, 122, Corporation, St, Calcutta
Roy Babajee & Co, 182, Lower Chitpore Rd, Calcutta.

DELHI.

H S Sorindro & Bros, Sadar Bazar, Delhi
Hem Chandra Bhargava, Chandni Chowk, Delhi
K. C. Bros., Chowk Raiji, Delhi

INDIAN STATES.

Muttra Pershad, near Ganga Mandal, Bharatpur City
Narain Das & Bros, Kishen Pole Bazar, P B N 4, Jaipur City.
School of Art, Jaipur (Also Paintings)

KARACHI

Adamji Abdulah & Sons, Bunder Road, Karachi
R Jalbhoy, Elphinstone St, Karachi
Thakur & Co, Bunder Rd, Karachi

MADRAS CITY

Indian Pictorial Publishing Co, 93, Sami Naik Str, Chintadripet, Mount Rd, Madras
R Ethirajiah & Sons, 103, Devaraja Mudaly Street, Madras

MADRAS PRESIDENCY

Basel Mission Press, Mangalore, S Kanara
Janki Ram Co, Aruppukottai, Ramnad
Modern Art Studio, Masulipatam

PUNJAB

Fancy Pictures & Fret Works, Sialkot (Fret Works mfrs)
Germany Picture House, C B 624 Ludhiana
I Hirade Ram, Kangra

SIND.

Zadhasingh Manghasingh, Bahru's Padhar, Ladha Lodge, Larkana.

UNITED PROVINCES.

Gur Prasad Hira Lal, Chowk, Allahabad
N P Verma & Sons, Railway Rd, Kasgunj, Etah
National Photo Co, Bisramghat, Muttra (Fret Works & Pictures)

PICTURE FRAME MAKERS.

Bharat Industries Corporation Ltd, 88, Sambhu Halder Lane, Salkia, Howrah
Bombay Picture Franc Mfg Co, 11, Ajmeri Gate, Delhi
Fotic Lall Seal & Sons, 10, Swallow Lane, Calcutta
G Canta & Co, 173, Dharamtala St, Calcutta.
Maharaja Frame Works Chickpet, Bangalore
Photo Frame Mnfg Co, Dhantoli, Nagpur
Star Art Framing Works, 90, Medows St, Bombay
Steel Slate Manufacturing Co, 17, Ajmeri Gate, Delhi

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
PREMIER PAINT AND COLOUR MERCHANTS.

PIECEGOODS DEALERS.

(Also see Cloth Dealers, Cotton Mills and Piecegoods Importers)

BENGAL.

Fool Chand Champalal, Khagra, Murshidabad
Idreshali Bepary, Nalitabari, Mymensingh.
Kali Pada Kundu, Kumarkhali, Nadia
Mangal Chand Kedarbux, Ulipur, Rangpur
Ramesh Chandra Dass, Chapai, Nawabganj, Malda
Sen Brothers, Sarisabari, Mymensingh

BIHAR.

Beg Raj Pat Ram, Biratnagar, Jogbani, Purnea
Jiwanram Ram Chandra, Bhagalpur

BOMBAY CITY

Bewa Parduman Singh & Sons, Chandra Chowk, Moolji Jetha Market, Bombay 2
Belapore Co, Ltd, Royal Insurance Buildings, Churchgate St, Fort, Bombay
Gibbs Trading Co, 32, Nicol Rd, Ballard Estate, Bombay
Haji Ali Mohamed Shirazi Chotani House, 233, Frere Road, Fort, Bombay
Harkisandas Manilal & Co Sancha Galli, Mulji Jetha Market, Bombay (Cotton Blanket)
Maganbhai Amin & Co, 105, Apollo Street, Bombay
Mohandas Ratanji, Ganesh Chowk, M J Market, Bombay 2
Nassur Hajee Mowjee & Co, Nassur Building, Mahomedali Rd, Bombay
Pherozshaw Pestonjee Sethna, 11, Elphinstone Circle, Fort, Bombay
Rasiklal Nagindas & Co, 32, Moolji Jetha Market, Bombay

BOMBAY PRESIDENCY.

N A Geria & Son, 1682, Khadia Main Road, Opp Vadapol, Ahmedabad

CALCUTTA.

Arnhold & Co, Ltd, 101, Clive Street, Calcutta. Also at Dougall Road, Ballard Estate, Bombay.
B C Nawn & Bros, 7, Bowbazar Str, Calcutta
Beinjraj Hookumchand, 30, Cotton Str, Calcutta
Bengal Stores Ltd., 8-A, Chowringhee Place, Calcutta M/A. Birla Bros. Ltd.
Chaturbhuj Gordhandas & Co, 135 P36, Grand Trunk Road, Howrah
Hookumchand Jaskaran, 30, Cotton Street, Calcutta
Indian Textile Co, 16, Chowringhee, Calcutta
Jaharlal Pannalal & Co, College Str Market, Calcutta
Kamalalaya, College Street Market, Calcutta
Kerr Tarruck & Co Ltd, 19 Strand Road Calcutta
Keshoram Cotton Mills Ltd, 8 Royal Exchange Place, Calcutta
Lakhmichand Bajnath, 31, Cotton St, Calcutta
Radha Kristo Dutt & Sons, 125 Old China Bazar St, Calcutta
Radhika Laul Rockhit, 42, Radha Bazar St, Calcutta
Roy & Roy, 42, Cornwallis St Manicktola Spur Jn, Calcutta
Sree Chand Ganesh Dass, 113 Cross Street Calcutta
Steiners Limited, Mohta House 29 Strand Rd, Calcutta
Sundermal Parasram, 6, Nurmal Lubia Lane, Calcutta

CENTRAL PROVINCES.

Berar Trading Co Ltd, Amraoti

DELHI.

Bansidhar Jailan & Co, Chandni Chowk, Delhi.
Bhagiratmal & Co, Katra Lachu Singh, Delhi
Bombay Co, Ltd, Queen's Road Delhi
Ganesh Das Ishar Das, Katra Chohan, Delhi
Jainy Brothers & Co, Kucha Natwan, Delhi
L Raj Narain Khanna & Co Chandni Chawk, Delhi
M R Ramchand & Co, Ltd, Nai Sarak, Delhi.

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
IMPORTERS OF VARIOUS PAINTS AND CEMENT COLOUR

Naraindas Bhagwandas, Delhi Cloth Market, Delhi.
Parasram Harnandrai, Katra Tobacco, Delhi
R S Dwarka Nath & Co, Delhi Cloth Market, Delhi
Ram Narain & Co, 145, Kucha Ghasi Ram, Delhi
Ram Pershad Khanna & Co, Delhi Cloth Market, Delhi
S Nasir-ud din, Belimaran, Delhi
T J Kishore & Co, Delhi Cloth Market, Delhi

INDIAN STATES

Abdur Sakhur & Co, Mattancherri Cochin
Dharamsee Bhimjee & Co, Mattancherri Cochin

KARACHI

Pulchand Anandram Cloth Market Karachi
Doulatram Mohandas Cloth Market Karachi
Gobindram Malkani & Sons Govind House, 30 Amil Colony, Karachi
Grahams Trading Co Ltd, Mac Leod Road, Karachi
Motilal Govindhandas, Cloth Market Karachi
Kussafali Alibhoy Karimji & Co Napier Rd, Karachi
Sadhwani Brothers, Kundan Sti Karachi (European Premium Bonds)
Tekchand Gangaram, Cloth Market Karachi
Textile Products Ltd, McLeod Road Karachi
Virbhandas Chamrai, Bombay Bazar, Karachi

LAHORE.

B M K Bakshi & Co, Lahore

MADRAS CITY.

C V Cunniah Chetty & Co, 288 Esplanade, Madras
Chaturbhuja Das Khosal Dass & Sons, Mint St, Sowcarpet, Madras
G Cunniah Chetty, Rattan Bazar, Madras
Gocol Dass Jumna Dass & Co, 22, China Bazar Rd, Madras
Hajee Moosa & Co, Godown St, Madras
Jum Sait, Ratean Bazar, Madras
K Hassaram & Co, 98, Godown St, Madras
Krishna & Co, 243, China Bazar Rd, Madras
National Stores, Thambu Chetty St, Madras
V Abdul Hakim & C Abdulla & Co, 6, Godown St, Madras

MADRAS PRESIDENCY

G Bhadrayya Setty & Sons, Munro St, Main Bazar, Anantapur
Hajee Abdul Rahim & Sons, Bezwada, Kistna
Kanara Industrial House, Kankanady Post, Mangalore, S K
New Bombay Hall, Big St, Kumbakonam
Vishnu Weaving Works, P.O. Chovva, (N Malabar)

PUNJAB.

Army Mart, Ikbalgang Rd Ludhiana (Also Uniform Mfg)
Fashionable Cloth Mfg Co, Ludhiana
M Mohamed Bakshah & Sons, Ludhiana (Army Clothing)
Rohan Chand Bros, Katra Ahluwalian Amritsar (Also Woollen)
S M Ibrahim & Sons, Lal Masjid, Ludhiana (Also Uniform)
Shib Shankar & Co, Katra Ahluwalian, Amritsar (Also Yarns)

RANGOON

Hamed Abdulla Brothers, 26, Edward Street, Rangoon

UNITED PROVINCES

Badridas Gagaria, General Ganj, Cawnpore
Fakir Chand Jain, Kahu Kothi, Cawnpore
Fateh Chand Jainy & Co, 48-78, Generalganj, Cawnpore
Gulabrai Mahadeo Pershad, near Kahu Kothi, Cawnpore
Hira Lal Baboo Lal, near Kahu Kothi, Cawnpore
Jawalapershad Radhakrishna, Kahu Kothi, Cawnpore
L Kesho Nath Khatri, Chank Bazar, Cawnpore
Narain Brothers, Hata Saurie Singh, Cawnpore
Purushottam Das & Co, Generalgunj, Cawnpore
Ramjilal & Bros, Generalgunj, Cawnpore.

FOR EMBOSSED Scent Bottle Labels please consult:—
RAW'S INDUSTRIES, 14-1, Old Chinabazar Street, Calcutta.

PIECEGOODS IMPORTERS.

Anderson Wright & Co., 22, Strand Rd., Calcutta.
Bird & Co., Chartered Bank Bldg., Calcutta.
Bombay Co., Ltd., 19, British Indian Street, Calcutta.
Chaitram Khullar & Co., Amritsar.
Grahams Trading Co., (India) Ltd., 6, Lyons Range, Calcutta.
Hazarimal Hiralal, 148, Cotton St., Calcutta.
James Finlay & Co., 1, Clive St., Calcutta.
Jardine Skinner & Co., 4, Clive Row, Calcutta.
Kamalalaya, College Street Market, Calcutta.
Kettlewell Bullen & Co. Ltd., 21, Strand Rd., Calcutta.
Mafatlal Gagalbhai, 193, Harrison Rd, Calcutta.
Maniklal Balabhai & Co., 26, Hummum St., Fort, Bombay.
Pannalal Sagarmull, 112, Cross St., Calcutta.
R. S. Kapur & Co., near Town Hall, Amritsar.
Ralli Bros., 16, Hare St., Calcutta.
S. H. Badsha Sahib & Co., 52, Angappa Naick St., G. T., Madras.
Shimwell Bros., (Calcutta) Ltd., 1, Royal Exchange Place Calcutta.
Sir Sarup Chand Hukum Chand, 30, Clive St., Calcutta.
Steiners Ltd., 29, Strand Road, Calcutta.
Toyo Menka Kaisha Ltd., 5, Royal Exchange Place, Calcutta.
Trikamdas Rowjee & Sons, 54-2, Wellington St, Calcutta.

PIPES & FITTINGS DEALERS.

(Also see Hardware Dealers).

A. G. Tychally & Co., 84/A, Clive St., Calcutta.
A. N. Hussunally & Co, 28, Strand Road, Calcutta.
Advance Tube Co., 84A, Clive St., Calcutta.
B. N. Kumar & Co., 6, Raja Woodmunt Street, Calcutta
Bengal Iron Co. Ltd., Kulti, E. I. Ry.; 4, Lyons Range, Calcutta.
Burn & Co., 12, Mission Row, Calcutta.
C. A. Sumair & Co., Delhi.
Debes Chandra Banerjee, 67, Dharamtala Street, Calcutta. (Brass Building fittings and Office Table requisites.)
E. Salebhoy & Co., 19, Mangaldas Road, Princess St., Bombay.
East Bengal Plumbing Stores, (M. L. Roy & Co.,), 28, College Str., Calcutta.
Gadadhar Shaw & Sons, 97, Harrison Rd., Calcutta.
Indian Hume Pipe Co., Bombay.
J. C. Bose & Co., 10, Raja Woodmunt St., Calcutta.
Katni Cement & Industrial Co., Ltd., Laxmi Bldg., Ballard Rd., Fort, Bombay. (Also Stoneware Pipe). Works.—Katni, C. P.
Kooverji Devshi & Co., Lohar Street, Bombay.
Kumer Bros. & Co., Ltd., 14 & 15, Raja Woodmunt Str., Calcutta.
Laha Bros, 110, College Str., Calcutta.
Mullick & Co., 40, College Str, Calcutta.
Mahabir Pershad & Sons, Chaori Bazar, Delhi.
N. Dutt & Co., Ltd., 39 1, College St., Calcutta.
Nooroodin Shaikadam & Co., 159, Nagdevi Street, Bombay.
Panalal Mohanlal & Co., 156, Nagdevi Street, Bombay.
Simplex Concrete Piles (India) Ltd., 26/27, Ekbalpore Lane, Cal
S. Roy & Co., 35, College Str., Cal
Satish Ch. Kumar, 34, College Str, Calcutta.
Soor, Neogi, Coomar & Co., Ltd, 39, College Str., Calcutta.
Standard Tube Co., 123, Nagdevi Street, Bombay.
Stewarts & Llyods Ltd., 6, Royal Exchange Place, Calcutta.
Wright Pinhon & Partners, Ltd, New Delhi.

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
IMPORTERS OF VARIOUS PAINTS AND CEMENT COLOUR

PLAYING CARDS MANUFACTURERS.

Diamond Playing Card Co, Ltd, 231, Eden St, Rangoon
Indian Playing Cards Co., 55, Canning Street, Calcutta; 1, Abbott Road, Lahore
Indian Press Ltd, Dharamtalla St, Calcutta
New Popular Press, 57, Simla St., Calcutta
Rama Bros, Anarkali, Lahore. (Dealers).
Ravi Varma's Press, Bombay, Agent, M L Khatri, 8, Royal Exchange Place, Calcutta

PLUMBERS' ACCESSORIES DEALERS.

(Also see Eng, Hardware, Pipes, Pottery & Sanitaryware Sections).

PLYWOOD MERCHANTS.

Duralda Ltd, McLeod & Co, 28, Dalhousie Square, Calcutta
Sanyal Banerjee & Co, 84, Clive Street, Calcutta.
Williamson Magor & Co, 4, Mangoe Lane, Calcutta

POTTERY MANUFACTURERS.

BENGAL.

Burn & Co's Dalkoti Silica Works, Raneegunj, Burdwan
Kunja B Roy's Pottery Works, Uttarpara
Malda Cement Industrial Co, English Bazar, Malda
Raneegunj Pottery Works, Raneegunj, Burdwan
Utterpara Pottery Works, Utterpara, Hooghly

BIHAR.

Kumardhubi Fine Clay & Silica Works Kumardhubi, Manbhum
N D Mukherjee & Bros, Mosaq chuck, Bhagalpur

BOMBAY PRESIDENCY.

Sorab Dalal Potteries, West View, Khanpur Rd, Ahmedabad

CALCUTTA.

Banerjee & Co, 7, Swallow Lane, Calcutta
Bihar Firebricks & Potteries Ltd, 3/1 Bankshall St, Calcutta
Bengal Potteries Ltd, 45, Tangra Rd, Calcutta
Burn & Co, 12, Mission Row, Calcutta
Calcutta Cement Pottery Works, 52, Ultadanga Main Rd., Cal.
Hindusthan Potteries Ltd, 20, Strand Road, Calcutta
Reliance Firebrick & Pottery Co, Ltd, 8, Clive Row, Calcutta.

CENTRAL PROVINCES

Jubbulpur Pottery Works, Mng Agents, Burn & Co., Jubbulpore
Perfect Pottery Co, Ltd, Hanumantal, Jubbulpore

DELHI.

Delhi Pottery Works, Ltd, Factory Road, Delhi.
Ishwar Pottery Works, Ishwarnagar (Okhla), Delhi
Punjab Pottery Works, Delhi

INDIAN STATES.

Cochin State Pottery Works, Cochin
Finix Pottery Works Co, Gandevi, Navsari, Baroda
Govt Porcelain Factory, Malleswaram P O, Bangalore
Gwalior Potteries Ltd, Lashkar, Gwalior
Gwalior State Industries, Gwalior
Indian Pottery Works, Wankaner.
Kanaka Pottery Works, Kumbalangy Cochin
Morvi State Pottery Works, Morvi, Kathiawar
Parsram Pottery Works Co, Ltd, Morvi Kathiawar
Rahim Baksh, Pottery Makers, Ahmadpur Shirkia, Station Dehra Nawab, Bhawalpur State
Standard Pottery Works, Alwaye, Travancore
Thomas Stephenson & Co, Ltd, Quilon, Travancore
Tiles & Pottery Works, Bilimora, Navsari, Baroda

MADRAS PRESIDENCY.

Commonwealth Ceramic Factory, Jeppore, Mangalore, Kanara

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
IMPORTERS OF VARIOUS PAINTS AND CEMENT COLOUR.

Standard Tile & Clay Works, Ld., Feroke, S. Malabar.
Vetcha Ramalingayya Sons, Mng. Agts., Andhra Flame Works, Rajahmundry. (Plumbago Crucible).

PUNJAB.

Punjab Pottery Works Ltd, Jhelum.

UNITED PROVINCES.

Anand Trading Agency. Anand Kuti, Chunar, Mirzapur.
Chunar Pottery Works, Chunar, Mirzapur.
J. Tandon & Co, Mirzapore.
Nath Bros., Chunar.
Prem Mahavidyalaya, Brindaban, Muttra.

PRESS NEWS AGENCY.

Associated Press, Ltd, Parliament Rd, New Delhi, 26/7, Dalhousie Sq, Cal; McLeod Road, Karachi.
Baldev Prashad Sharma, Harri Singh High Street, Srinagar.
Cosmopolitan Press Agency, Allahabad.
Indian Press Cuttings Agency, Wazirali Buildings, Ferozepore Cantt.
Photo News Agency, 26, General Patters' Road, Madras
Press Photo Bureau, 9, Triplicane High Road, Madras
Reuters Ltd, 7, Hare Street, Calcutta.
Singhal News Agency, Aligarh City. Prop. R. D Singhal.
United Press of India, 8, Dalhousie Sq, Calcutta.

PRINTING INK MANUFACTURERS.

A. Sher & Coy., Jullundur City, Punjab. (Litho Ink)
Bengal Chemical & Pharmaceutical Works, Ltd., 31, Chittaranjan Avenue, Calcutta
Bengal Colour & Ink Products, 16, Ram Kissen Das Lane, Cal.
Bengal Miscellany Ltd., 174, Manicktala Main Rd, Calcutta
Diwan Chand & Sons, Chamberlain Road, Lahore
Dolatram Kashiram & Co, Opp Pande Dharmashala, Karelwadi, Thakurdwar Road, Bombay.
Gaekwar Oil & Chemical Co, Ltd, Kirti Bldg 39 Forbes St., Fort, Bombay Factory Pultighar, Gwalior
Ganges Printing Ink Factory Ltd., 22, Canning Street, Calcutta.
Gita Press, Gorakhpur.
Hooghly Ink Co., Ltd, 433, Grand Trunk Rd, Howrah.
Indo Swiss Trading Co Ltd, 2, Church Lane, Calcutta.
Industrial Agency, Girgaum, Bombay, No 4
Ink Factory, Hamirpur Road, Cawnpore.
Inks Manufacturing Co. Ltd, Babe Inks House, Lucknow
Jallo Subsidiary Industries Co, The Mall, Lahore Br —Karachi and Bombay
Juhi Printing Ink Factory, Grand Trunk Rd, Cawnpore.
Liberty Chemical Products, 1665, Kali Masjid, Delhi.
Sanyal Bannerjee & Co, Ltd, 268 Bowbazar Str, Calcutta
Shimwell & Bros (Calcutta) Ltd Royal Exchange Place, Cal
Spicers (Export) Ltd, 2, Phillips Street, Nr. Broadway, Madras, Stronach House, Graham Road, Ballard Estate, Bombay
Sreenivas & Co, 163B, Broadway, Madras
Yeshanand & Co, Grahams Bldg, Parsee Bazar, Bombay.

PRINTING MACHINE & ACCESSORIES DEALERS.

(Also see Type Foundries).

BOMBAY CITY.

Indian States & Eastern Agency, Ltd., 1st Floor, Harawalla Bldg., Whittet Rd, Ballard Estate, Bombay.
Indo-Europa Trading Co, Ltd, 9, Dalal Street, Fort, Bombay.
J. B. Advani & Co., Ltd, 27, Mangaldas Road, Bombay.
M C Modi & Co., 76/84, Kandewadi, Bombay 4.

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
IMPORTERS OF VARIOUS PAINTS AND CEMENT COLOUR.

Reliable Trading Co, Post Box 767, Navsari Chamber, Hornby Rd, Fort, Bombay.

BOMBAY PRESIDENCY.

Popatlal Girdharlal & Co, Mandvi Street, Ahmedabad; 49, Apollo Street, Bombay

CALCUTTA.

A Lall & Son, 15, Baloram Bose 2nd Lane, Bhowanipore, Cal

A N Maitra & Co, 186, Hedger Rd, Alumbazar P O, Calcutta (Roller Composition & Ink)

Dass Bros, 37, Strand Road, Cal.

H Donne, 31, Pipe Road, Kidderpore, Calcutta

Hoare Miller & Co, Ltd, Fairlie Place, Calcutta (Type metal)

Indo-Japanese Trading Co, 14/2, Old China Bazar Str, Calcutta (Japanese)

Indo Swiss Trading Co, Ltd, 2, Church Lane, Calcutta

J Mayr, 1, Mission Row, Cal

John Dickinson & Co, 6 Clive Row, Calcutta

K Banerjea, 8, Canning St, Cal (Also Roller Composition)

Lanston Monotype Corpn, Ltd, 27-5, Waterloo St, Calcutta

Leyland & Birmingham Rubber Co, (India) Ltd, 12, Mission Row, Calcutta

Leon Saubolle & Co, P O Box 203, Calcutta

Linotype & Machinery, Ltd, 21, Bowbazar St., Calcutta; 18A, Mount Road, Madras; 21, Graham Road, Ballard Estate, Bombay.

Monotype Corporation Ltd, 27/5, Waterloo St, Cal.

Oriental Machinery Supply Agency Ltd, 20, Lal Bazar St, Calcutta.

Roy Coomar & Co, 31, Radha Bazar Str, Calcutta

Relief Roller Casting Co, 45, Police Hospital Rd, Calcutta.

S C Dutt & B K Dutt, 100, Durga Charan Mitter St, Calcutta (Home Printer)

Small Machineries Mfg Co., 22, R. G. Kar Rd., Calcutta. (Sundries).

Wise Bros, Ltd, 3, Canal St, Entally, Cal (Roller Composition).

DELHI.

Indo European Co, Chandni Chowk, Delhi

Kailash Bros, Chandni Chowk, Delhi

INDIAN STATES.

E P Ram & Sons, near Wadai Bridge, Alleppey, Travancore

Indian Universal Comm Co, Maharani Road, Siyaganj, Indore

Kathiawar Printers Stores, Rajkot (Printers' Sundries)

LAHORE

L T Pinto & Sons, Lahore

MADRAS CITY.

Norton & Co, 1 16, Baker Thiruvengada Mudali St, Choolai, Madras (Printing machine)

UNITED PROVINCES.

Bishambar Nath Niranjan Lal, Allahabad, Cawnpore, Benares, Patna

Indian Industrial & Commercial Service, Allahabad

United India Trading Co, 55/7, Generalganj, Cawnpore

PRINTING PRESSES.

ASSAM.

Arina Press, Gauhati

Assam Printing Works, Cally Bldg, Jorhat

Assam Printers & Publishers Ltd, Gauhati, Assam

Bijoya Press, Dhubri Assam

BENGAL.

Art Press, Bangalabazar, Dacca

Bani Press, P O Itinda, 24 Pargs

Bijoya Press, Patuatuli Street, Dacca

Harinath Machine Press, Naba Roy's Lane, Dacca

India Press, Bangalbazar, Dacca

Kashi Printing Works Banglabazar, Dacca (Also Gopalgani Faridpur)

Manju Press, Dacca

Manomohan Press, 90, Nawabpur, Dacca

Narayan Press, Nawabpur, Dacca

Satsang K S Press, P O Satsang, Pabna

Shakha Press, Patuatuly, Dacca

BIHAR

Catholic Press, Ranchi

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
SOLE AGENTS OF DALY BRAND 100 % ZINC.

Bihar Publishing House Ltd, Patna
Catholic Press, Ranchi
Chandra Press, Dinapore Cantt
Kamala Press, Motihari, Champaran
Kamal Press, 32, Purani Bazar, Muzaffarpur
Khadgavilas Press, Patna
M P Press, 12, Grand Sq, Dinapore Cantt Patna
P G Nath & Co, Light Press, Dinapore
Patna Law Press, Patna City
Saraswati Printing Works, Arrah
Sudama Art Printing Works, Gulzarbagh Patna
T P Shaw & Co, Imlital S Bazar, Dinapore, Patna
Vidyasagar Press, Burma Bldgs Block "D," Muzaffarpur

BOMBAY CITY.

Appeal Printing Press, Tamarind Lane, Fort, Bombay
Ballosi Fine Art Litho Press, Tardeo, Bombay
Bolton Fine Art Offset Works Bombay
C G Godbole's Lithographic Art Studio 211 Sutarwala Bldg, Girgaon, Bombay
Crown Electric Printing Works 111, Esplanade Rd, Bombay
Didinus Printing Press, 33, Pitha Street, Fort, Bombay
Duyan Sagar Litho Press, Girgaum, Bombay
G Claridge & Co, Frere Rd, Bombay
Hebrew Publishing & Printing Press, Kikabhai Building, Morland Rd, Bombay No 11
India Printing Works, 50, Nesbit Road, Mazagaon, Bombay
Jam-e-Jashed Printing Press, Ballard House, Mangalore St Bombay
Karnatak Printing Press, 318-A Thakurdwar, Bombay
Krishna Press, Jackeria Bunder, Sewree, Bombay
M Vadilal & Co, Govind Bldg, Princess St, Bombay 2
Model Paper Printing Works, Cawasji Patel St, Bombay
New Lakshmi Printing Press, Gaya Bldg, Masjid Bunder Rd, Bombay
Premier Art Printing Works, near Hongkong Bldg, Fort, Bombay
Ravi Fine Art Litho Press, Kalbadevi Rd, Bombay
Shri Krishna Art Litho Press, Girgaon Rd, Bombay
Taj Printing Works, 126, Cawasji Patel Street, Fort, Bombay
Vaidya Bros Press, Naorojee St, Thakurdwar, Bombay 2
Zenith Litho Works, 106-108 Medows Street, Fort, Bombay

BOMBAY PRESIDENCY.

Arya Sanskrit Press, Tilak Road Poona 2
Aryabhushan Press, Budhwar peth, Poona 2
Chitra Shala Steam Press, Poona
Deccan Printing Works, 609, Sadashiv Peth, Poona 2
Deshi Mitra Press, Limda Chock, Surat
Gramodaya Electrical Printing Press Navadeta, Broach
Harihar Press, 483, Shanwar Poona 2
Maharashtra Litho Press, Sadashib Peth, Poona 2
Modeshvar Printing Press, Buranpuri Bhagol, Surat
Muslim Gujrat Press, Bagatalao Surat
Pratap Printing Press, Kanpith Bazar Surat
Shree Krishna Printing Press Opp Police Lines, Station Road, Surat
Sree Narayan Printing Press, Opp P Dhanjibhai's Factory, Ahmedabad

Brass Composing Sticks

10", 8", 6" @ As. 8 per inch.

SMALL MACHINERIES MFG., CO., 22, R. G. Kar Road, Calcutta

Swatantra Printing Press, Bazar, Bulsar, Surat
Tiwari Printing Press, Nasik City

BURMA

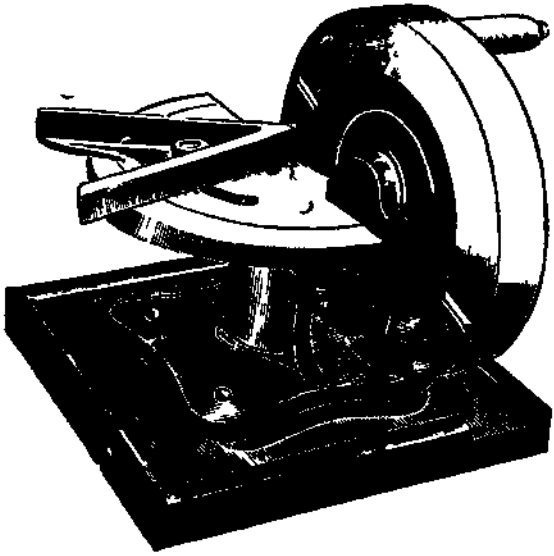
Aung Mingala Press, Taungdwingyi, Burma
Coronation Press, Henzada
Upper Burma Gazette Press, Mandalay

CALCUTTA

Abinas Press, 40, Mirzapur Str., Calcutta
Alexandra Printing Works, 27, College Street, Calcutta
Alfa Bengal Press, 14/2, Old Chinabazar Street Calcutta
Altaf Press, 33, Baniapukur Road, Calcutta
Amrita Bazar Patrika Press, 6, Ananda Chatterjee Lane, Cal
Ananda Bazar Patrika Press, 1, Burman Lane Calcutta
Art Press, 20, British Indian St, Calcutta
Aryan Press, 54 Radha Bazar Str, Calcutta
Associated Traders 2 Royal Exchange Place, Calcutta
Atlas Printing & Advt Co, 8/3, Canal Str, Entally, Calcutta
Atul Printing Works 48 Radha Bazar Calcutta
Aurora Press, 13/3, Pathuriaghatta Str Calcutta
Bani Press, 16, Hemendra Sen St, Calcutta
Baptist Mission Press, 41, Lower Circular Rd Calcutta
Bartabaha Press, 76, Kansaripara Road, Calcutta
Basumati Press 166, Bow Bazar St, Calcutta
Bengal Art Press, 41, Sikdar Bagan Street, Calcutta
Bengal Autotype Co 213, Cornwallis Street, Calcutta
Bengal Litho Press, 1, Wellington Sq, Calcutta
Bharat Mihir Press 2, Bethune Row, Calcutta
Bharat Printing Works 22 Sukea Lane, Calcutta
Bharatvarsa Printing Works, 203 1-1, Cornwallis St, Calcutta
Bharati Press, Kareya, Calcutta
Bhowanipore Press, 39, Ashutosh Mukherji Rd, Calcutta
Bijoli Press, 98/3, Ahiritola Str, Calcutta
Biswanath National Press, 5, Kanulal Lane, Calcutta
Bombay Fine Art Printing Works, 56-1, Canning Str, Calcutta
Bramha Mission Press, 211/1, Cornwallis Street, Calcutta
Calcutta Chromotype Ltd, 52-3, Bowbazar St, Cal (Also Litho)
Calcutta Corporation Press, 5, Surendra Banerjee Road, Cal
Calcutta General Printing Co Ltd, (Edinburgh Press), 300, Bowbazar St, Calcutta
Calcutta Job Press, 103/C, Surendra Banerjee Road, Colcutta
Calcutta Printing & Publicity Ld, 54, Bentinck Str, Calcutta. (Also Lithographers)
Calcutta Printing Co, Ltd, 76, Dharamtala Str, Calcutta
Caledonian Printing Works, 3, Wellesley Place, Calcutta
Campbell Printing Works, 1, Lyons Range, Calcutta
Catholic Orphan Press Portuguese Church Str Cal
Caxton Printing Works, 21, Meredith Lane Calcutta
Central Press, 1 Dacre's Lane, Calcutta
Chitra Mandir 157 B Dharamtollah Str Calcutta
Chitra Printing Works 7 A Musjid Bari Street Calcutta
Chowringhee Art Press, 170, Bowbazar St, Calcutta
Cinema Art Press 161 Harrison Road, Calcutta
City Press 9, Strand Road, Cal
Clive Press 14 Old Court House Lane Calcutta
Clyde Printing Works 7, Waterloo Str Calcutta
Corinthian Press, 2 Swallow Lane, Calcutta
D C Chunder & Co, 42-1, Bowbazar St, Calcutta (Litho)
Desh Bandhu Press, 48, Chakrabaria Road, Bhowanipur, Cal
Desha Darpan, 47, Chakraberia Road Bhowanipur Calcutta
Diamond Press, 79A Durga Charan Mitter Str Calcutta
Diana Press, 2/1, Kedar Bose Lane, Bhowanipore, Calcutta

FOR EMBOSSED LABELS FOR MANTLE PLEASE CONSULT:—
RAY'S INDUSTRIES, 14-1, Old Chinabazar Street, Calcutta.

PRINTERS' LABOUR-SAVING IMPLEMENTS



ANGLE AND CORNER CUTTER.

Printers like to have the joints of borders, tri angles, squares, oblong, in perfec. order without any gaps This machine will serve them in every way It will cut Line slugs, borders, b r a s s rules, leads etc

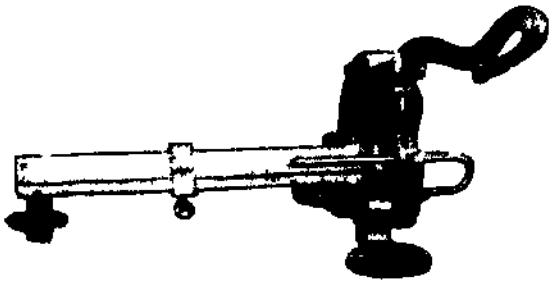
parts The knives are made of the best tool steel, and in addition, the machine carries angular graduation on the semi circular bed and 12 pt 'Em graduation on the sliding arms

Price **Rs. 35/-**

CYLINDER OR ROLLER GALLEY PROOF PRESS

The cylinder is covered with blanket and is of ample weight for good impression without any fault It travels on adjustable runner rails and so can be work ed by a boy without any exhaustion

Size of bed 18"×32" **Rs 135/-**
" 16"×26" **Rs 120/-**



LEAD & RULE CUTTER

This is a most useful machine for cutting leads and rules It is tho roughly well built and finished as the higher-priced ma chines The bed is accurately graduated to 12 pt 'Ems and numbered to 5-'Em lengths.

Prices:—With 'Em graduation **Rs 25/-**, Without Graduation **Rs. 22/-**.

SMALL MACHINERIES MFG. CO.,

22, R. G. KAR ROAD, SHAMBAZAR, CALCUTTA.

Dutt Printing Works, 6, David Joseph Lane, Calcutta.
Eagle Lithographic Works, Cristopher Road, Entally, Cal
Eastern Trading Agency, 14/2, Old Chinabazar Str, Calcutta
Elm Press, Beadon Str, Calcutta
Emerald Engineering Co, 1/2, Moti Sil Street, Calcutta
Eton Press, 98/1, Clive Street, Calcutta
Excelsior Press, Mandir Str, Cal
Exchange Mission Press, 5, Mission Row, Calcutta
Fine Art Press 60 Beadon St, Calcutta
Fine Printing Works, 347 1, Upper Chitpore Rd, Calcutta
Gaya Art Press, 9/1, Subal Chandra Lane, Calcutta
General Printing Works, 83, Old China Bazar Str, Calcutta
Gordon & Co 106 Narkeldanga Main Road, Calcutta
Harry Press, 3/2, Park Garden Lane, Howrah
Hibernian Press 15, Portuguese Church Lane, Calcutta
Hindu Satkarmamala Press Ratan Babu Road, Barnagore, Cal
Hitarshi Press, 136, Ashutosh Mukherjee Rd, Bhowanipur, Cal
I S S D, Chittaranjan Avenue, South, Calcutta
Imperial Art Cottage, 1/A, Tagore Castle Str., Calcutta. (Also Litho).
Indian Press Ltd, 93, Dharamtala St Calcutta (Also Litho)
Indramayan Press, 15 Ray Bagan Str, Calcutta
Industrial Press, 1B, Swallow Lane, Calcutta
Industry Press, Keshub Bhaban, 22, R G. Kar Road, Calcutta.
J Mayr, 1 Mission Row, Cal
Jantra Lekha, 11/1, Pratap Chatterjee Lane, Calcutta
Jawahir Printing Works, 161/1, Harrison Rd, Calcutta
Kali Tara Press, 16, Townshend Road, Kalighat, Calcutta
Kalika Press, 21, Nanda Kumar Chowdhury 2nd Lane, Calcutta (Also Type Founders)
Kanai Press, 1C, Swallow Lane, Calcutta
Karim Bux Bros, 9, Anthony Bagan Lane, Calcutta
Karuna Press, 27, Pollock Street, Calcutta
Katyayani Press, 39/1, Shibnarayan Das Lane, Calcutta
King Half Tone Press, 172, Bowbazar Street, Calcutta
Kohinoor Press, 108, Amherst Str, Calcutta
Lakshmibilas Studio & Press, 14, Jagannath Dutt St, Calcutta
Lal Chand & Sons, 76, Lower Circular Rd, Calcutta
Lalit Press, 81, Simla Street Cal
Lena Press, 18, Wollesley Street, Calcutta
Little Flower Press, 146, Bow-Bazar Str, Calcutta
Lotus Press, 116, Bowbazar Str, Calcutta
M C Hayon & Co's Press, 55, Free School Street, Calcutta
Madan Mohan Press, 1A, Hogg Str, Calcutta
Manasi Press 77, Hari Ghosh Str, Calcutta
Mazumdar Press, 100, Upper Chitpore Road, Calcutta
Mercantile Stationeries Syndicate, 8 Lower Circular Road, Calcutta
Metcalfe Press, 9, Raja Gurudas Str, Calcutta
Metropolitan Prt & Pub House Ltd, 90, Lower Circular Rd, Cal
Model & Multicolour Printing Works, Sootarkins Lane, Calcutta
Model Litho & Printing Works, 66 1A Baitakkhana Rd Cal
Modern Art Press, 1-2, Durga Pithuri Lane, Calcutta
Molin Press 12, Creek Row, Calcutta
Moslem Press & Publication Ltd, (Star of India), 8, Dharamtala Street Calcutta
Movie Press, 8/1/1, Kashi Ghosh Lane Calcutta
Mukherjee Press, 10/2, Mussalmanpara Lane, Calcutta
Multi Color Printing & Process Works 6, Sootarkins Lane, Calcutta
Muslim Printing Works, 48, Radha Bazar Str, Calcutta

REACH THE PERSONS WHO CAN BUY YOUR GOODS. ADVERTISE IN THE "TISHNA," SUBATHU, SIMLA.

N. N. Sen & Coy.'s Press, 18/1, Lower Chitpur Road, Calcutta.
Naba Jiban Press, 56, Shampukur Str., Calcutta,
Nag Art Press, 67/2, Harrison Road, Calcutta.
Nandian Press, 37/4, Harrison Rd., Calcutta.
National Ornamental Litho Works, 23, Banerjee Lane, Calcutta.
Navroj Printing Works, 29/30, Ezra Street, Calcutta.
Nelly's Printing Works, 15/1, British Indian Street, Calcutta.
New Artistic Press, Ramkrishna Das Lane, Calcutta.
New Bengal Press, 68, College Str., Calcutta.
New Diamond Press, 6, Wellington Square, Calcutta.
New Empire Printing Works, Strand Road, Calcutta.
New Imperial Press, 2, Sukea Lane, Calcutta.
New Indian Press, 3, Duff Street, Calcutta.
New Mahka Printing Press, 43, Dharamtala Street, Calcutta.
New Popular Press, 57, Simla St, Calcutta.
New Press, 6, Radha Bazar Lane, Calcutta
New Uma Press, 168, Bowbazar St., Calcutta.
Newman's Printing Works, 21, Meredith Lane, Calcutta.
Oriental Printing Press, 18, Brindaban Bysack Str., Calcutta
Oxford University Press, Mercantile Bldgs, Calcutta
P. M. Bagchi & Co., 19, Gulu Ostagar Lane, Calcutta.
Peary Press, 32/7, Beadon Street, Calcutta.
Pooran Press, 21, Balaram Bose Str., Calcutta.
Popular Press, 8, Simla Str., Cal.
Prabasi Press, 120-2, Upper Circular Road, Cal.
Protiva Press, 38/2, Wellington Str., Calcutta.
R. Banerson Press, 108, Cornwallis Str., Calcutta.
Robin Press, 35, Strand Road, Cal.
Royal Indian Press, 104, Lower Chitpore Road, Calcutta.
Ruby Press, 102/5, Radhabazar Street, Calcutta.
Rudra Printing Works, 66, Manicktalla Str, Calcutta.
S. C. Dutt, Dalhousie Printing Co., 18, British Indian St, Calcutta.
Sachi Press, 25, Ashutosh Dey Lane, Calcutta.
Sakha Press, 34, Musalmanpara Lane, Calcutta.
Sakti Press, 27/3, Hari Ghosh Str., Calcutta.
Saugat Ltd. 11, Wellesley Street, Calcutta.
Savonia Press, 85, Bowbazar St, Calcutta.
Service Agency Press, 14/2, Old Chinabazar Street, Calcutta.
Sidheswar Press, 39/2, Sibnarayan Das Lane, Calcutta.
South Oriental Press, 10/1/1, Monohar Pukur Road, Calcutta.
Sree Gobinda Press, 7/1C, Russa Road, Bhowanipore, Calcutta.
Sree Gopal Press, 20, Cornwallis Street, Calcutta.
Sree Gouranga Press, 71-1, Mirzapore St., Calcutta,
Sree Saraswati Press, 1, Ramanath Mazumdar Str., Calcutta.
Sreepati Press, 38, D. L. Ray Str., Calcutta.

FOR BLOCKS, LABELS, CALENDARS
HIGH CLASS COLOR AND GENERAL PRINTINGS
REFER TO
MULTI-COLOR PRINTING & PROCESS WORKS
NO. 6, SOOTERKINS LANE, CALCUTTA.
(Facing Chittaranjan Avenue).
Proprietor:—NILMONEY HALDER & CO.,
Biggest Dealer in Stationery, Drawing & Surveying Paper,

Sri Krishna Printing Works, 259, Upper Chitpur Rd., Calcutta.
Sri Ram Press, 162, Bowbazar Str., Calcutta.
Statesman Press, Chowringhee Square, Calcutta.
Star Printing Works, 30/A, Shib Narayan Das Lane, Calcutta.
Sulov Press, 84, Upper Chitpur Rd., Calcutta.
Tandan Printing Works, 7, Wellesley St., Calcutta.
Temple Press, 2, Nayaratna Lane, Calcutta.
Thacker's Press & Directories 6, Bentinck Str., Calcutta.
U. Roy & Sons, 117/1, Bowbazar Street, Calcutta.
Unique Press, 22, Fordyce Lane, Calcutta.
United Press, 29, Grey St., Cal
Universal Printing Works, 74, Durga Ch. Mitter St., Calcutta.
University Press, Senate House, Calcutta.
Usha Press, 74, Dharramtola Str., Calcutta
Varieties Press, P 18, Hazra Rd., Calcutta.
Vedanta Press, 14, Ram Ch. Maitra Lane, Calcutta
Venus Printing Works, 52/7, Bow Bazar Str., Calcutta.
Vishwanath National Press, 30, Banstolla St., Calcutta. (High Class Art & Job Printers).
Weekly Notes Printing Press, 59, Elliot Road, Calcutta.
Winchester Press, 5, Mangoe Lane, Calcutta.

CENTRAL PROVINCES.

Kalika Printing Press, Jumna Talao, Nagpur City.
Maharastra Press, Fadnis Pura, Cir. No. 7, Nagpur City.
Marwadi Press, Jumna Talao, Nagpur City.
Nagpur Press, 10, Ordnance Lines, Nagpur.
Narbada Press, Jubbulpore.
Oankar Press, Pili-kothi, Cawnpore.
Shubh Chintak Press, Near City Kotwali, Jubbulpore,
Singhai Printing Press, Kamania Gate, Jubbulpore.

DELHI.

Baluja Press, Fatehpuri, Delhi.
Delhi Photo Type Press, Chandni Chowk, Delhi.
Delhi Printing Works, Chaori Bazar, Delhi.
Imperial Printing Press, Chandni Chowk, Delhi.
National Press, Nai Wara Street, Delhi.
Punjabi Press, Sadar Bazar, Delhi.
Sripal Press, Chandni Chowk, Delhi.
Statesman Press, 29, Bara Khumba Road, Delhi.

INDIAN STATES.

Ashok Printery, Cinema Sursagar Road, Baroda.
Bangalore Press, Lake View, Mysore Rd., Bangalore City.
Broca's Artistic Electric Press, 1st Bridge, Srinagar.
G. H House Press, Vararajendrapet, Coorg.
Gopalker Printing Works, Rajkot, Kathiawar. (Also Stationers).
Industrial Press, Attungal P. O., Travancore.
Jaipur Printing Works, Chaura Rasta, Jaipur City.
Kathiawar Printing Works, Rajkot, Kathiawar.
Kohinoor Press, Jogenmohan Palace Road, Mysore.
Laxmi Printing Works, Sayyaji Rd., Lansdowne Bldg., Mysore.
Manidhar Printing Press, Samal Bechar's Pole, Baroda.
Manohar Printing Works, Beawar, (Rajputana).
Mysore Residency Press, 1, Infantry Road, Bangalore Cantt.
Nabha Steam Press, Hospital Rd., Nabha
Prem Prakash E. Press, Jauhari Bazar, Jaipur.
Ram Krishna Pillay & Co., Suvarna Praba Press, Alwaye, Travancore.
Sethia Jain Printing Press, A. C. B. Sethia Bldg., Bikaner.
Shree Bhagatshinhji Electric Litho & Printing Press, Gondal, Kathiawar.
Shree Sharada Litho Press, Shimoga. Branches: Rangaswami Temple St., Cross, Bangalore.

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
SOLE AGENTS OF DALY BRAND 100 % ZINC.

Sri Krishna Press, Lansdowne Bazar, Mysore.
Srinivas Electric Press, Lansdowne Bldgs, Mysore
Vakil Bros' Printing Press, Kothi Pole, Baroda
Venkateswar Press Lansdowne Bazar, Mysore
Viswakarnataka Press, Bangalore
Western India Press, Rajkot

KARACHI.

Sind Samachar Press, Nanak wada, Karachi

LAHORE.

Amrit Electric Press, Rly Rd, Lahore
Arorbans Press, Anarkali Lahore
Kapur Art Printing Press, MacLeod Road, Lahore
Lion Press, Hospital Road Lahore (Govt & States Printers)
Medical & Military Printing Works, 17, Maclagan Rd., Lahore
Mercantile Press Chamberlain Road, Lahore
Model Electric Press, 5, McLeod Rd, P O Box 43 Lahore
Rafah-i am Steam Press, Sheran wala, Gate Lahore
Rai Sahib M Gulab Singh & Sons, Mufid-i-am Press, Mohanlal Road Lahore
Samsher Press Ganga Ashram Bldgs, Ravi Road, Lahore

MADRAS CITY.

All-India Prntg Works, 19, Venkatachella Mundaly St, Madras
Ananda Press Stringer's Street, Madras
Aurora Press, Davidson Street, Madras
Associated Printers, Proprietors: Associated Publishers (Madras) Ltd., 165, Mount Road, Madras. (Art Printers)
Bharathi Press, 1-19, Alathur Achary Street, Cholai, Madras
Caxton Press, 35, Chinatambi St, Madras
Central Press Syndicate Ltd, 89, 90, Thukkampalaya St, Kumbakonam
City Printing Works, 119A, High Road, Royapettah, Madras.
Diocesan Press, P. O Box 455, Vepery, Madras
Everyman's Press, 1, McLean St., Broadway, Madras
India Printing Works, Sunkurama Chetty St, Madras
Laurel Press, 255, Thambu Chetty Street, Madras
Mercantile Press, Chamberlain Rd, Lahore
Model Press, Park Town, Madras
Monoranjini Press, 2, Ramanuja Iyer St, Madras
Publicity Press, 1/10, Stringers Street, Madras
Progress Printers, 2-17, Coral Merchant St, Madras
Royal Printing Works, 3-11, Mount Road, Madras
Standard Press, 765, High Road, Triplicane, Madras
V Ramaswamy Sastrulu & Sons 292, Esplanade, Madras
Vasanta Press, Adyar, Chingleput, Madras

MADRAS PRESIDENCY

A B S Press, Vizagapatam
Abbas Printing Works Chunna mear St, Vellore, N Arcot
Ananda Press Mandy St Erode
Bala Saraswati Press Bezwada Kistna
Bombay Calendar Publishing Co Bellary (Calendar Printers)
C M V Press, 197 East Veli Street Madras
City Press Mangalore, S Kanara
Central Press, Fisher Street Erode
Dharam Prakash Press Mangalore, S Kanara
Edward Press, Cannanore
Imperial Press, West Avani St Madura
Jayam & Co, Sivaganga, Ramnad
Kanara Printing Works, Mangalore, S Kanara
Kanyaka Press, Guntur.
Kodivalbail Press, Mangalore
Manika Vilas Press, near Mariammam Temple, Periyakulam, Madura
Muthumarigamman Press, Aruppukottai, Ramnad
Nadar Press Ltd, South Street Sivakasi, Ramnad
P Munirathram Naidu & Sons, Vellore, N Arcot.

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
SOLE AGENTS FOR LEAF BRAND GREEN.

Radha Krishna Press, Ellore, W. Godavary.
Saraswathi Printing Works, Poppalla Bazar, Bellary
Saraswathi Vilasa Machine Press, Paramakedi.
Saraswati Printing Works, Mangalore, S. Kanara.
Sree Menamlinga Press, South Bank, Periyakulam, Madura.
Sree Rama Press, Main Road, Vizagapatam.
Sri Krishna Press, Ayyankadai, Tanjore.
Sri Krishna Vilas Press, Conjeeveram
Sri Panduranga Press, Ellore, W Godavary.
Sri Vani Vilas Press, Fort, Erode, Coimbatore.
Standard Press, 120, Mandy St, Vellore, N Arcot
Sudarsana Press, Little Conjeeveram
Tatwanidhi Press, Aska, Ganjam.
Tower Press, Ellore, W Godavary.
Town Press, Conjeeveram.
United Press, Conjeeveram.
United Press & Trading Co, Coonoor, R S, Nilgiris.
V N Press, Officers' Lines, Vellore, N. Arcot.
Vani Press, Bezwada, Kistna.

ORISSA.

Chandrodoya Press, Balu Bazar, Cuttack.
Dutt Press, Balu Bazar, Cuttack.
Lakshmi Narayan Press, Kazi Bazar, Cuttack.

PUNJAB.

Arjun Press, Gujranwala, Punjab.
Frontier Exchange Press, Massey Street, Rawalpindi.
Model Art Press, The Mall Simla.
Narindra Setam Press, Lyallpore.
Printers Ltd., Ambala.
Ramchander Balabakhsh, Agents, Burmah-Shell Oil Storage Co., Ltd., Sambhar Lake, (Rajputana).
Sethi Brothers, Hira Mandi, Ferozepore City, Pb. Works:—Railway Road, Kasur.
Saiyickjee Printing Press, Katra Ramgarhian, Amritsar.
Sewak Press, Hissar.

RANGOON.

A B. M. Press, Rangoon.
Imperial Press, 231, Eden Street, Rangoon.

UNITED PROVINCES.

Aftab Printing Press, Rakabgunj, Fyzabad.
Agarwal Press, Muttra.
Agra Samachar Press, Drummond Road, Agra
Bhaskar Press, Dehra Dun.
City Press, Meston Road, Cawnpore
Coronation Press, P. O. Box No. 57, Pilikothi, Cawnpore.
Cosmopolitan Press, Luker, Allahabad
Dehra Times Press, Dehra Dun.
Ganesh Press, Panch Pir Ki Gali, Muttra.
Garhwali Press, Dehra Dun.
Gita Press, Gorakhpur
Goorkha Press, Dehra Dun
Hindustani Dawakhana Printing Press, Muttra.
Job Press, The Mall, Cawnpore.
Jumna Printing Works, Muttra.
Khanna Press, Cawnpore.
Kishor Press, Pilibhit Rd., Bareilly.
L P Nagar and Co, Muttra
Liverpool Press, 16, Thornhill Rd, Allahabad.
Merchant Press, Railganj, Cawnpore.
Minerva Press, The Mall, Opp. Quen's Statue, Cawnpore.
Mukhbir-i-Alam Press, Shidisarai, Moradabad.
National Press, Katra, Allahabad.
Newal Kishore Press, Huzratgunj, Lucknow.
Nizami Press, Budaun.
Purshottam Printing Press, 67, Narain Street, Muttra.
Scottish Press, Bazar Muzaffar Khan, Agra.
Shanti Press, 12, Bank Rd., Allahabad
Sharman & Co., Purbia Tola, Etawah.
Shri Sita Ram Press, Ajodhia, Fyzabad.
Star Press, Mall Rd., Cawnpore.
Verman Press, Shah Pir Gate, Meerut City,

CHANDI CHARAN NAYAK, 124/1, Bowbazar Street, Calcutta.
SOLE AGENTS FOR LEAF BRAND GREEN.

PRODUCE MERCHANTS.

ASSAM

Chunilal Puranmall, Gauhati, (Onion)
Dasuram Mirzamull, Gauhati
Ram Chandra Sew Dutt Roy, Gauhati,

BENGAL.

Bepin Chandra Saba, Faridpur
Mohadeo Lall Agarwalla, Golapnagore Damukdia Nadia, (Turmeric)
Mohammed Kismatulla Mirdha, Madhnagar Rajshahi (Onion)
Ramdayal Matobber Chamadhopur, Faridpur (Onion)
Ram Nath Shaha, Dayrampur, Rajshahi
Satya Kinkar Saha, Faridpur
Tarachand Behani Melanda Bazar, Mymensingh, (Garlic)

BIHAR.

Bhattanlal Dhonilal, Kishanganj, Purnea (Turmeric Exporters)
Bihar Grain Supply Co Dinapur Cantt (Oats)
Nildongri Sisal Hemp Estt Sambalpur
Ram Chander Debidutt Bettiah, Champaran
Shree Bihariji Mills Patna City

BOMBAY CITY

Chunubhai Madhowalal & Co, Navsari Bldg, Hornby Road, Bombay
Dada Abha 425, Duncan Road, Bombay (Onion & Potato)
Hardcastle Wand & Co, Ltd, Alice Bldgs, Hornby Road, Fort, Bombay
Koorpal Hemraj Damar Lane, Gamdevi Bombay
Lakhmichand Vasanji & Co, 225-227, Samuel St, Bombay. (Spices)
Meman Kasam Haji Ebhram, Nallabazar, Kadia Mohalla, Shop No 193, Bombay 9
Moosa Jooma & Co, Duncan Rd, Bombay (Onion)
Navnitlal Sawilal, Modi Bazar, 64, Kazi Syed St, Bombay.
Rashid Jamshed Sons & Co, Kariana Bazar, Mandvi, Bombay (Asafoetida)
Ruttonji Shapurji Tata & Co, 232-234, Vadgadi, Mandvi, Bombay No 3
Sorabji Nowroji & Co, 121, Kazi Syed Street Mandvi, Bombay (Sandal Wood)
W T Suren, Navsari Chambers, Outram Road, Fort, Bombay

BOMBAY PRESIDENCY.

Amerchand Popatlal, Bhiwandi, Thana Dist (Potato)
Govind Vithal Pai, Shahpur, Belgaum
Hazarilal Roichand, Ganeshpeth, Poona (Potato)
Kinabhai Narayandas Dhruve's Pole, Cambay, Kaira
Premier Food Products Co Ltd, Thalakvadi, Belgaum
Rambhoy Kasibhoy 655 Sachapir, Poona, Camp
Ratilal H Vasani, Dharampur Surat (Honey)
Shah Kearatamal Pannalal, P O Chinchwad Poona
Shambhuprasad P Trivedi, Kapadwanj, Kaira (Castor Seeds)
Tribhuvandas Dwarkadas Dangarwalla Bunder Road Broach (Grain)
Zinalal Naraindasa Bazar, Cambay, Kaira

CALCUTTA

Anukul Chandra Saha & Co, 45, Manick Bose Ghat St, Calcutta
Bhaduri Bros Ltd, P O Box 10844 Calcutta (Kapok, Tamarind Spices, Oil Seeds)
Express Produce Trading Co 81/C, Manicktolla St, Calcutta
Grain Supply Co, 3, Moti Sil's St, Chowringhee, Calcutta
Himalayan Musk Depot, 118, Harrison Road, Calcutta
Indian Grain Stores, 15A, Romesh Mitter Road, Calcutta
Indian Produce Trading Co, 137 Canning Street, Calcutta
Indo-Burma Forest Syndicate 65-1, Darmahatta St, Calcutta
Kassim & Ismael, 5-2, Garstin Place, Calcutta
Lalmohan Chakraverty, 6/17, Cossipur Road, Calcutta

YOU CAN GET YOUR ADVT. INSERTED IN ANY PAPER AT CHEAPER RATES THROUGH AGGARWAL STORE, Subathu, Simla

Mohandas Chandradas Nepali, 96, Harrison Road, Cal (Musk)
Nepal Himalayan Musk Depot, 96, Harrison Road, Calcutta
Panchanan Mullick, 24/26, R G Kar Road, Shambazar, Calcutta
Polson Mfg Co, 44, Dhurumtolla Str, Calcutta (Coffee)
Seal & Co, Room No 119 Tiretta Bazar Bldg, Cal (Tiger's Lard)
Shakur Haji Gani, 10, Amratolla Lane, Calcutta

CENTRAL PROVINCES

Hanooman Persad, Darujahi, Jubbulpore

DELHI.

Himalaya Novelties Co Chandni Chowk, Delhi
Kunj Lall Kundan Lall, Burn Bastion Road, Delhi

INDIAN STATES.

G Yellappa Setty Kadur Mysore
Gudampara Cardamom Estt, Surianalle Devicolam, Travancore
Hindu Foreign Trading Co 31, Chicapet Bangalore City
Kashmir & Tibet Trading Co, Gowkadal Rd Srinagar (Asafoetida Silajit Saffron, Musk)
Kashmir Shilajit Depot, Srinagar, Kashmir Br —Lahore
M Dasappa Setty & Sons, Kadur, Mysore (Onion & Potatoes)
N K Razdan & Co, Dedi Kadal, Tankipora Srinagar, (Saffron)
N Ramaswamy Iyer, Muvatupuzha, Travancore.
Sultan Ahmed, Muttra Gate, Bharatpur City
T Nedungadan & Bros, Chittur Rd Ernakulam Cochin (Seeds)
Travancore Produce & Industrials Ltd, Alleppey Travancore

KARACHI.

Bishandas Gobindram, Serai Rd, Karachi (Cotton & Grain)
Bombay Company Ltd Karachi (Cotton, Wool, Sugar, Metal).
Jaichandbhai Jivabhai, South Napier Road, Karachi (Cotton)
Louis Dreyfus & Co, McLeod Rd, Karachi (Also Pondicherry)

LAHORE.

Owen Roberts & Co., Ltd. Hall Road, Lahore

MADRAS CITY.

Ganesh & Co, 39, Thambu Chetty St, Madras (Peaberry, Coffee)
Ralli Bros, Ltd, Madras Agency, 2/21, North Beach Rd Madras; 16, Hare Street Cal, Wood St, Karachi

MADRAS PRESIDENCY

B Venkatanarasapathi Bellary (Tamarind)
Bolunthur Srimatham, Prabhu, Gollikata, Mangalore, S K
C C Achuthan & Co, Chava, Cannanore Malabar (Coconut)
Dharamji Travanappa Anagol, Nandgad, Dt Belgaum (Myrobalans)
East India Produce Co, Cocanada, Godavary
Garuda Pattabhiramayya & Co, Vizagapatam
Indian Produce and Tobacco Exporting Co, Coconada (Palmyra fibre and produce)
Kastoolikar & Co Gollikatta, Mangalore, S Kanara
M P Ponnapa Chettiar, Mandy St, Erode Coimbatore (Cotton Seed)
N Seshachalam Chetty & Co, Nellore (Tamarind)
Pandurang Laxman Pai Mangalore, S Kanara (Cashew)
Pollachi Trading Co, Pollachi, Coimbatore Dt
R Mahadeva Pillai, Pondicherry, (Gingelly Seeds)
R N Ahamed & Co, Mettupalaiyam, Nilgiris
S V R C Rao & Co, Cocanada, Godavary

N. W. F. PROVINCE

L Ramtikayamall Ishwardass, Hing Wale, Dera Ismail Khan. (Asafoetida)
Saran Singh Sado Singh, Mewao Mandi, Peshawar (Asafoetida)
Vishnu Das Arjan Das, Chowk, Peshawar City

PUNJAB

A N Malik & Son, Solan, Simla Hills Hd Office —Rawalpindi (Also Cotton, Wool & Stone)
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B. D. Ohri, Hoshiarpur.
Coleyana Estate Ltd., Okara, Montgomery Dist. (Cotton & Wheat Growers).
Eastern Commercial Syndicate, 1200-9, Barket Manzil, Gurgaon. (Bees Wax, Anise, Cumin, Nux Vomica, Tamarind).
Faqir Chand Puri, Solan, Simla Hills.
Gopal Singh Hira Singh, Jore Pipal, Amritsar.
Gour Pharmacy, Ludhiana.
Health Brand Honey Factory, Hoshiarpur, Punjab.
Honey Stores, Chamba, Punjab.
Himmatrai & Sons, Dera Ghazi Khan.
Koh-Himalaya Co., Regd., Kulu, Kangra. (Himalayan Honey).
L. Baru Ram Bhagria, Ludhiana.
Malick Bros & Co., Saidan Gate, Jullundur City.
Mirza Abdul Hamid & Co, Karmon Deorhi, Amritsar.
Nathu Fakiria, Mohalla Khoji, Ambala City. (Bamboos).
Perfumery House, Ludhiana. (Musk, Ambergris, Saffron).
Punjab & Kashmir Stores (Regd.), Amritsar. (Saffron, Musk, Asafoetida and herbs).
S. S. Mila Singh & Son, Chowk Babu Atal, Amritsar.
Seth J. N. Bansi Lal Talwar, Purana Bazar, Ludhiana.

UNITED PROVINCES.

Bishun Karyalay, Gursahaiganj, U. P. (Suppliers of Medical Herbs, Fruit & Vegetable Products).
Chiranji Lall Shah, Pithoragarh, Almora. (Musk & Silajit).
Debsing Bist & Sons, Berinag, Almora. (Musk).
Gobardhan Joshi, Malli Bazar, Almora. (Ghee, Chillies, Musk & Honey).
Himalayan Products Co., 21, Inam Bldgs, Viceroy Rd., Dehra Dun.
Nathi Lal Ganpat Lal Bansel, Brindaban, Muttra.

PROVISION DEALERS.

A. Chunilal & Co, Bunder Road, Karachi.
Basheshernath & Sons, Bunder Road, Karachi.
Bishember Nath Suraj Pershad, Katra Tobacco, Delhi.
Dinshaw & Sorabjee, Sealdah Station, Calcutta.
Durga Pershad Udmi Ram, Ishwar Shawan, Delhi.
Harnarain Gopinath, Khari Baoli, Delhi.
Hazari Mall Ghasi Ram, Katra Para, Delhi.
James Anderson & Co., 8, Lindsay St., Calcutta.
Jugal Kishore Mul Chand, Katra Paira, Delhi.
Mangaldas & Co., Musjid Bunder Rd, Gaya Bldgs., Bombay, 3
Murli Dhar Charanji Lal, Ishwar Bhawan, Delhi.
Rup Chand Uttam Chand, Phatak Habash Khan, Delhi.
Rustamji Maneckji Masalawala. Null Bazar, Opp. Round Temple, Sandhurst Rd., Bombay.
Sind Punjab Trading Co., Campbell Street, Karachi.

PUMP MERCHANTS.

(Also see Machinery Dealers).

BOMBAY CITY.

K. B. Joshi & Co., 321, Hornby Road, Bombay.
M. H. Dinshaw & Co., 47, Apollo St, Fort, Bombay.
Turner Hoare & Co., Ltd., Gateway Bldg., Apollo Bunder, Bombay.

CALCUTTA.

A. Goolamally Tayabally & Co., 30-2, Clive St., Calcutta.
A. T. Alihussain & Co., 29, Strand Road, Calcutta.
Bird & Co., Chartered Bank Bldgs., Calcutta. (Pearn Pump)
Holmes Wilson & Co., Ltd., 2, Old Court House Corner, Calcutta
Indian Pump Company, 8, Prince Anwar Shah Road, Tollygunge, Calcutta.

Make your own Essences & Hair Oils, read "Indian Perfumes, Essences & Hair Oils" Price Rs. 1-8. Industry Book Dept., Shambazar, Calcutta.

J W Ives & Co, 29, Waterloo St, Calcutta
Limaye Bros, 8, Clive Row, Cal
Lloyds Engineering Works, 190, Belilios Road, Howrah
M S Vernal & Co, Bharat Insurance Building, Central Avenue, Bahadur Rd, Behala, Calcutta.
Mather & Platt Ltd, 7, Hare St, Calcutta
Maya Engineering Works, Office—36, Russa Road, P.O. Kalighat, Calcutta. Workshop —Rav Bahadur Rd, Behala, Calcutta
Mirrless Watson Co, Ltd, P O Box 2096 28 Grosvenor House, Calcutta, Whittet Rd, Ballard Estate, Bombay, Madras
N A Hussunaly & Co, 28, Strand Road, Calcutta
T E. Thomson & Co., 9, Esplanade East, Calcutta.
Western India Industries, 137, Canning St, Calcutta
Worthington Simpson Ltd, 10, Clive St, Calcutta.

LAHORE.

Andrew Yule & Co, Ltd, The Mall, Lahore

MADRAS CITY.

Best & Co, P O Box 63, Madras.
McDowell & Co, Ltd, P O Box 36, Madras
Richardson & Cruddas, 1st Line Beach, Madras.

PUNJAB

Metal Works, Koth Loharan, E Sialkot, (Also Vermicelli machines and Cutlery)

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BIHAR.

Executive Engineering, Public Health Works, Ranchi
Metallurgical Inspector, Indian Stores Dept Jamshedpur

BOMBAY CITY.

Controller of Stores, Bombay Baroda & Central India Railway, Mahalakshmi, Bombay
Controller of Stores, Bombay Port Trust Mazagaon, Bombay, 10
Controller of Stores, Great Indian Peninsula Rly Parel, Bombay
Controller of Purchase, Indian Stores Dept, Bombay Circle, Hararwala Bldgs, Ballard Estate, Bombay
Municipal Commissioner for the City of Bombay, Hornby Road, Fort, Bombay

CALCUTTA.

Chief Engineer, East Bengal Railway, 3, Koilaghat St, Calcutta
Controller of Purchase, Indian Stores Dept Calcutta Circle, 6, Esplanade East, Calcutta
Controller of Stores, Commissioners for the Port of Calcutta, 8, Garden Reach Road, Kidderpur, Calcutta
Controller of Stores, East Bengal Railway, Sealdah, Calcutta
Controller of Stores, East Indian Railway, 105, Clive St,, Calcutta.
Controller of Stores, Telegraph Store Yard, Alipore, Calcutta
Dy-Controller of Stationery, 3, Church Lane, Calcutta
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INDIAN STATES.

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Stores Supdt., G. Baroda State Railways, Goyagate, Baroda.

KARACHI.

Chief Storekeeper, Karachi Port Trust, Karachi
Controller of Purchase, Indian Stores Depot., Karachi Agency, Artillery Maidan, Karachi

LAHORE.

Agent, North Western Railway, Lahore.
Controller of Stores, North Western Railway, Empress Rd., Lahore.

MADRAS CITY.

Chief Engineer, Madras & Southern Marhatta Railway Co., P. T., Madras.
Commissioner, Corporation of Madras, Madras.

RANGOON.

Agent, Burma Railway, Rangoon.

PUNJAB.

Director of Contracts, Army Head Quarters, Simla.
Director of Contracts, Master General of Ordnance Branch, Army Head Quarter, Simla.
Stores Purchase Dept., Chief Controller of Stores, Indian Stores Dept., Simla.

UNITED PROVINCES.

Dy-Agent, Rohilkhand & Kumaon Rly., Izatnagar, Bareilly.
Indian Stores Dept., Cawnpur Inspection Branch, 254, Nawabganj, Cawnpur.

RADIO STORES DEALERS.

(See Wireless Accessories Dealers)

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(Also see Engineering Works).

A. B. C. Coupler & Engineering Co., (India) Ltd., 8, Esplanade East, Calcutta.
Baldwin Locomotive Works, Stephen House, Dalhousie Sqr., Calcutta.
Indian Standard Wagon Co., Ltd., 12, Mission Row, Calcutta.
Parry's Engineering Ltd., 19, British Indian Str., Calcutta.
Railway Engineering Co., 33-4, Middle Rd., Entally, Calcutta.
Robert Hudson (India), Ltd., 12, Mission Row, Calcutta.
Skoda (India) Ltd, 8, Royal Exchange Place, Calcutta.
Venus Engineering Co., 142-1, Radha Bazar Street, Calcutta.

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Bengal Cutleries, 151, Harrison Rd., Calcutta.
Esmail Tar Mohamed & Bros., 222, Cutlery Bazar, Bombay.
Gulati Bros., 12/1, Nesbet Road, Lahore.
Indo-Western Corporation Ltd., 28, Waterloo Str., Calcutta.
J. B. Engineering Works, 43, Strand Rd., Calcutta. (Hira).
Jai Dayal Karam Chand Jain, Varjivan Mansion, Princess Str., Bombay.
K. R. Bidani & Co., Bidani Bldg., Multan City.
L. H. Emeny, Mercantile Bldg, Lal Bazar, Calcutta. (Panama).
London Commercial Corporation, Katra Jaimal Singh, Amritsar.
Mirza Abdul Hamid, Lahore Gate, Amritsar.
National Mnfg. Works, Bazar Haveli Jamadar, Amritsar.
Northern India Safety Blade Works, Lahore.
P. G. Sadhwani Coy., Old Postal Road, Hyderabad, Sind.
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Yeshwant Bros., Matunga, Bombay 19. ("Navy Blue Blades")

RICE MERCHANTS.

(Also see Paddy Merchants & Rice Mills).

ASSAM.

Dasuram Mirzamull, Gauhati.

BENGAL.

Munsi Abdul Jalil Talukdar P O Kasiani, Faridpur
S N Saha, P O Gopalganj, Faridpur
Umesh Ch Mandal, Vill Paikerdanga, P O Mary-Gopinathpur, Faridpur

BOMBAY CITY.

Damji Lakhamsey & Co. 3, Chinch Bunder Road, Bombay 9 Br — 37 Mogul St Rangoon
Jirjee Ghellabhoy & Coy, 31, Chinch Bunder Road Mandvi Bombay
Kurpal Harsi & Co, New Chinch Bunder, Bombay
Shamji Velji & Co, 242, Dongre Street, Bhat Bazar, Bombay.

BOMBAY PRESIDENCY.

Radhakrishna & Co., Bhadrakali, Nasik City

BURMA.

Ko Ba Thein, North of Bazar, Pyawbwe U Burma
Pyilon Awber New Rice Mill, 4th St, Paungde, L Burma
U Po San Sons, Paungbyin, Burma

CALCUTTA

Adam Hajee Peermohamed Essack, 1, Amratolla Lane, Calcutta, Cochin
Amulyadhan Auddy, 74, Chetla Road, Calcutta
Diwan Hajee Peermohamed Moosa, 5, Amratala Lane, Calcutta.
Golak Chandra Sarkar, 21, R. G. Kar Road, Calcutta
Hajee Habib, Hajee Peermohamed, 4 Amratala Street, Calcutta
T N Sharma, 19, Amratola Str, Calcutta (Rice Merchant)
Visanji Damodar Sampat, 4, Mallik St, Calcutta

INDIAN STATES.

A T A Lukhmanam Pillai, Chalai, Trivandrum, Travancore
Hoosen Kassam Dada, Alleppey, Travancore Br —Quilon, Coimbatore, Cannanore, 26, Amratola Lane, Calcutta.
Hajee Ebrahim Kassam Sait, Cochin
Hajee Moosa Abdul Latif, Cochin
Hajee Sattar Hajee Peermohamed Cochin, Amratala Lane, Calcutta
Kadir Pillai, Alwaye, Travancore
Kolusu Pillay, Kattuputhoor, Thittuvilai P O, S Travancore
M Lingappa Setty & Bros, Kadur, Mysore
Muthian Chettiar, Kuzithurai, Martandam P O, S Travancore
P K Subbiah Pillai, Chalai, Trivandrum, Travancore
P R M T Subbiah Naidu, Chalai, Trivandrum, Travancore
Sivrama Panicker, Kattuputhoor, Thittuvial P O, S Travancore
Tar Mohamed Janoo, Cochin
Thomas Nadar, Manaka Vilai, Mulagumoodu, Travancore
V K Abdul Rahiman, Kadur, Mysore
V M Hassaner Pillai, Vallakadan, Trivandrum Travancore
V N Kunjan & Bros, Valakadam, Trivandrum Travancore

MADRAS CITY.

Bhawanjee Moorji & Co, Revoo Godowns, Madras
Chamanlal & Co, Revoo Godowns, Madras
Hajee Jamal Noor Md Sait, Chinnathambi St, Madras
K Sabapathy Chetty, Revoo Godowns, Madras
M B Chengalvaraya Chetty & Co, Revoo Godowns, Madras
M S Thangavelu Chetty & Co, Revoo Godowns, Madras
Mohanlal Kamalal, Mint Street, Madras
Poonja Thakersee & Co, Revoo Godowns, Madras

EMBOSSED LABELS for Glass & Enamel Wares please consult:—
RAY'S INDUSTRIES, 14-1, Old Chinabazar Street, Calcutta

S. Govindarajaloo, Udamalpet, Coimbatore.
Raichand Motichand, Revoo Godowns, Madras.
S. N. Sivaji, Revoo Godowns, Madras.
T. M. A. Doraiswamy Chetty & Co., Revoo Godowns, Madras.

MADRAS PRESIDENCY.

A. M. Palaniswami Mudaliar Ekambarapuram, Conjeeveram.
A. T. P. Kayer, Virapandianpatnam, Tinnevelly.
Balabhadra Rama Krishniah, Ellore, W. Godavary.
Best Rice Co., Buckinghampet, Bezwada, Kistna.
C. Ramaih Chetty & Sons, Nawabpet, Nellore.
C. S. A. Aghakanamlia Pillai, Trivandrum, Travancore.
Essak Bros., Tellicherry
Hajee Shaik Madhar Sahib, Mandy, Erode.
M. S. Doraisami Mudaliar, Conjeeveram.
Maganti Subrahmanyam, Ellore.
Manepalli Subba Rao, Ellore.
Mothey Krishna Rao, Ellore.
N. C. Masilomoni Mudaliar, Conjeeveram.
P. Subbaraya Chetty, Fisher St., Erode.
P. Thanga Nadar, Aruppukottai, Ramnad.
Tulasidas Jamnadas & Co., Mattancherri, Cochin.
Yellampalli Seshiah, Ellore.

ORISSA.

Bhagwan Das, P. O. Bahanga, Balasore.
Kushu Sahu, P.O., Bahanga, Balasore
Paresh Ch. De, P. O. Bahanga, Balasore.
Sree Sitaram Vastralayam, P.O. Nuvapada, Ganjam.

PUNJAB.

Bholasingh Gopal Singh, Chawl Mandi, Amritsar.
Nihal Chand Amarnath, Akalgarh, Gujranwala Dt.
Tulsi Ram Kidar Nath Aggarwal, Gujranwala, Punjab.

RANGOON.

Abdul Rahim Osman, 28th Street, Rangoon.
Adam Hajee Peermohamed Essack, 23, 28th Street, Rangoon.
Dewan Hajee Peermohamed Moosa 40, 28th Street, Rangoon.
Hajee Ebrahim Kassam Cochinwala, 46, 28th Street, Rangoon.
Hajee Habib Hajee Peermohamed, 18, 28th Street, Rangoon.
Khoo Cheng Kang & Co, 336, Commissioners Road, Rangoon.
Latif Hajee Sharif, 28th Street, Rangoon.

UNITED PROVINCES.

Omkar & Company, Anand Chowk, Dehra Dun.
Qudsia Rice Mill, Chakrata Rd., Saharanpur
Saharya & Co., 8, Viceroy Road, Dehra Dun.

RICE MILLS.

ASSAM.

Banshidhor & Muralidhor Rice Mill, Tihu.
Lalchand Ramdeo Rice Mill, Nalbari, Kamrup, Assam.
Nagormal Gaiadhar Rice & Oil Mill, Tihu, Assam.

BENGAL.

Annapurna Rice Mills, Katwa, Burdwan; Kasimbazar, Murshidabad.
Aparna Rice Mill, Rajshahi.
B. B. Dutt & S. B. Dutt's Rice Mill, Santhia, Birbhum.
B. B. Sircar Khardaha Rice Mill, Khardaha, 24-Pergs.
Ballygunge Rice Mill, Kasba Road, Dhakuria, Calcutta.
Bandgorah Rice Mill, Bandgorah, Bolepur, Birbhum.
Banga Laxmi Rice Mill, Italghatta, Tollygunge, 24-Pargs; Surdiah, Jhargram, Midnapore
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Bhogobat Rice Mill, Raiganj, Dinajpur
Bhubaneswari Rice Mill, Bogra.
Bijoygopal Madanlal's Rice Mill, Bankura.
Bishnupriya Rice Mill, Santahar, Bogra.

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Chowdhury Rice Mill Bankura
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Dianan Rice Mill, Kolaghat, Midnapore
Durga Rice Mill Old Tollygunge Kamarhatti, 24 Pargs
Dwarka Nath Rice Mill, Nowgaon, Rajshahi
Gopal Bhagar Rice Mill Malda
Gobind Rice Mills 8, Royal Exchange Place, Calcutta
Govinda Chandra Das's Saraswati Rice Mill Bolepur Birbhum
Jadu Nath Rice Mill Dangapara, Rajshahi
Jagarnath Rice Mill Birampur Dinajpur
K M, Sadhukhan, Khardaha Rice Mill, Khardaha 24 Pargs
Kilyaneswari Mill Ltd, Rice & Oil Mills, P O Samdi, Via Sitarampur, Burdwan
Kamala Rice Mill Ballychak, Midnapore
Kishori Rice Mills, Contai Road, P. O Belda Midnapur Dt.
Kurseong Rice & Oil Mills Siliguri, F B Ry
Lakshmi Rice Mill, Birampur, Dinajpur
Lakshmi-Narayan Rice Mill, Ballychak Midnapore
Lakshmi Narayan Rice Mills Khardaha, Titaghur
Lakshmi Rice & Flour Mills, Kasimbazar, Murshidabad
Lal Chand Kushichand Rice Mill Sanchia, Pabna
Lloyds Engineering Works 190 Belilios Road Howrah
Mollarpur Rice Mill Mollarpur, Birbhum
Motilal Mahurlal Rice Mill, Bolepur, Birbhum,
N C Attar's Bodyharpara Rice Mill Nadanghat, Burdwan
New Rice Mill, Alamganj Burdwan
Nitya Kali Rice Mill, Matibagh, Burdwan
North Bengal Trading & Banking Co, Ltd, Hili, Bogra
Port Canning Rice Mill, Canning Town, 24-Pergs
Radha Madhab Rice Mill, Hili, Bogra
Raja Ram Rice Mill, Atrai, Rajshahi
Rajlakshmi Rice Mill, Kolaghat, Midnapore
Rup Narayan Rice Mill, Kolaghat, Midnapore
Sagarmal Chouthmall, Siliguri, Darjeeling
Sarbamangala Rice Mill, Baburbag Burdwan
Satish Ch Mandal & Shaik Nabi Bux Mondal's Rice Mill Hughly
Shahpur Rice Mill of Krishnakali Roy Behala, Calcutta
Sree Hari Rice Mill, Barrackpore, 24-Pargs
Sree Satya Narayan Rice Mill, Bogra
Syam Sundar Rice Mill Khardaha, Titaghur
Tamluk Trading & Mfg Co Ltd, Hamirpur, Ballychak Midnapur
Taraprosanna Rice Mill, Italghatta 24-Pargs

BIHAR.

Annapurna Rice Mill, Raxaul P O Champaran
Bismilah Rice Mill, Narkatiaganj, Champaran
D B Rice & Oil Mills, Bhadrapur, P O Galgalia Purnea
Durga Rice Mill Chakulia Singhbhum
Hariprasad, Rameswar Prasad Rice Mill, Sikta Champaran
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Janakpur Road Rice Mill Janakpur Rd Pupri, Muzaffarpur
Kamala & Co's Rice Mill, Jayanagar Darbhanga
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Sree Biswanath Rice Mill, Narkatiganj, Champaran

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Sree Lakshmi Rice Mill, Nirmali, Bhagalpur.
Sree Mahabirjee Rice & Oil Mills, Darbhanga.
Sree Mohan Pannalal Oil Mill, Mozahidpur, Bhagalpur City.
Sree Pashupati Nath Rice & Flour Mills, Raxaul, Champaran.
Sree Sankar Rice Mills, Ghorasaham, Champaran.
Sri Das Rice Mills, Dinapur, Patna.
Sri Sitaram Mills Rice Millers, Nirmali, B. N. W. Ry.
Sri Sitaram Rice, Flour & Oil Mills, Sitamarhi, Muzaffarpur.

BOMBAY PRESIDENCY.

J. J Vasania & Co., Bangya-Faha, Billimora, Dist. Surat.

BURMA.

A C. Baroocha's Rice Mill, Wethlagalay, Tharawaddy.
A I Rice Mill, Gyobingauk, Tharrawaddy.
A. T. K. P L M. Lakshamana Chetty's Rice Mill, Letapadan, Tharrawaddy.
Acha's Rice Mill, Thinbawgyin Qr., Bassein.
Aungmingala Rice Mill, Thor Binkwin, Henzada.
Bala Rice Mill, Sitkwin, Tharrawaddy.
Burma Co, Ltd, Rice Mill, Lay-zu-gr, Tharrawaddy.
Chee Whee Shain's Kadonsi Mill, Paung, Thaton.
Dhamika Rice Mill, Pungdawthi, Pegu.
Excelsior Rice Mill, Sitkwin, Tharrawaddy.
Favourite Rice Mill, Letpadan, Tharrawaddy.
Gamnibi & Ahmed Hussein's Rice Mill, Gyobingauk, Tharrawaddy.
Khain Gwan Au Co.'s Rice Mill, Strand Road, Bassein.
Ko Po Cho's Rice Mill, 5, Wayonzeik, Myaungmya
L. M. S. Mitchella's Rice Mill, Moulmein, Amherst.
Law Ngwe Thet's Rice Mill, Minhla, Tharrawaddy.
London Rangoon Trading Co., Ltd., Kanoungtoe, Myaungmya.
M. B. Hamadani's Rice Mill, Nattalin, Tharrawaddy.
M B. Hamadani's Yadana Bala Rice Mill Gyobinguk, Tharrawaddy.
M M. P. L. Palaniappa Chettiar's Rice Mill, Nazirpara, Akyab.
Mahumadul Haque's Rice Mill, Akyab.
Mg. Ba Htu's New Seinpu Rice Mill, Myanaung, Henzada.
Mg. Ba Sein's Rice Mill, Ingabo Road, Henzada.
Mg. Kyi Oh's Rice Mill, Okpo, Tharrawaddy.
Mg. Sah Myint's Rice Mill, Othegon, Tharrawaddy.
Mingalathiri Rice Mill, Gyobingauk, Tharrawaddy.
Mollandiam Mill, Kanountoe Creek, Hanthawaddy.
Mupun Rice Mill & Co., Mupun, Amherst.
Murga Rice Mill, Minhla, Tharrawaddy.
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Pinbaw Rice Mill, Pinbaw, Myitkyina Dt., Burma
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Ranchoddass Jeyram & Co's Shreekrishna Rice Mill, Okpo Tharrawaddy.
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Seth New Rice Mill, Thinbawgyin, Bassein.
Shwebontha Rice Mill, Avanaung, Katha
Sinobo Rice Mill, Sinobo Qr., Bassein.
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Thukhawuntha Rice Mill, Natmaw, Henzada.

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Tong Lee Gwan & Co, Okpo, Tharrawaddy
U Chin New Rice Mill, Moulmeingymun, Myaungma
U Nyo Ng's Rice Mill, Kanhla Qr, Henzada
U Pan Boo's Rice Mill, Sitwin, Tharrawaddy
U Po, Rice & Cotton Mill Co., Sagaing
U Sanya's Shwelawin Rice Mill, Kadok, Pegu
U Thein's Zatila Rice Mill, Henzada
V M C P Periana Chettyar's Rice Mill, Tawkanoot Wakema, Myaungmya
Virajlal Narayan Das & Co, Insein Shore Insein
W Kim Mun's Wong Chee & Co's Rice Mill, Moungan Amherst
Yeo Kin Sein's Rice Mill, Letpadan Tharawaddy

CALCUTTA.

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Anath Bandhoo Rice Mill, Chanditola, Tollygunge Calcutta
Bagmari Rice Mill of Lal Mohan Roy 35, Bagmari Rd, Calcutta
Bimal Rice Mill, Chanditola, Tollygunge, Calcutta
Binapani Rice Mill Burra Shibtola Main Rd, Tollygunge, Cal
Biswanath Rice Mill of Purna Ch. Das, Chanditola, Tollygunge, Calcutta
Chandi Rice Mill of Bhupal Ch Manna & Sons, Chanditola Tollygunge, Calcutta
Chanditola Rice Mill, Chanditola, Tollygunge Calcutta
Dhanyakuria Rice Mill, Co, 60, Belgachia Road Calcutta
Ganesh Rice Mill Co, 33 Tollygunge Circular Road, Calcutta
Govind Rice Mill Co Ltd, 30, Banstola Gully, Calcutta
H N Ballav Rice Mill, 7-1, New Canal Road, Daspara, Calcutta
Hara Gouri Rice Mill, Italghatta, Tollygunge, Calcutta
Haripada Ghose & Sons, Ram Ch Rice Mill, Burra Shibtola Main Rd, Tollygunge, Calcutta
Kali Rice Mill, 2, Chetla Road, Tollygunge, Calcutta
Modern Rice Mill, Italghatta, Tollygunge Calcutta
New Canal Rice Mill, Co, 24 & 25, Bagmari Rd Calcutta
Onkarmull Hiralall, Surendra Nath Roy Rd, Behala, Calcutta
Panchanan Addy, Chetla Mayarpur Road, Alipore, Calcutta
Ratan Lal Ramratan's Mahabir Rice Mill, Tollygunge, Calcutta
Santi Rice Mill 2, Gurudas Dutt Garden Lane Ultadanga, Cal
Satyanarain Rice Mill, 7A, Gurudas Dutt Garden Lane, Ultadanga Calcutta
Satyanarayan Rice Mill 4 & 5, Chetla Road Tollygunge, Cal
Sonthalia Rice Mill Shahapur, Behala Calcutta
Syam Sunder Rice Mill Old Tollygunge Rd Calcutta
Union Rice Mill Surendranath Ray Rd Shahapur, Behala Cal
Wooma Charan Rice Mill, Shahapur Tollygunge Calcutta

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Mahabir Rice Mill Akaltara, Bilaspur
Ramjasmal Nawarang Rai Rice Mill Baradwara Bilaspur
Shri Krishna Rice Mill Naila, Bilaspur
Surajmal Brijlal Rice Mill, Naila, Bilaspur

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Erinjery Rice Mill, P O, Ollur, Cochin State
M A T Z Co's Rice Mill, Shimoga, Mysore
M F A & Co's Rice Mill, Kadur Mysore
Meenakshi Rice Mills, Chittur, Cochin
Sreevilasam Rice Mills, Kokkalai, Trichur, Cochin

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A. Kanmappa Mudaliar, Rajampet, Conjeeveram.
A. M. K Sri Ganasambundar Rice Mill, Coleroon, Tanjore.
Ahmadiya Rice Mill, Nidadavole, E. Godavary.
Anjenaya Mills, Park Rd., Erode.
Dhanalakshmi Gin and Rice Mill Co, Mangalagiri, Guntur.
Dwarampudi Venkiah's Rice Mill, Maruter, Godavary.
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Ellore Rice Mill, Ellore, W. Godavary.
Haridravadi Rice Mill, Mannargudi, Tanjore.
Islamia Rice Mill, Nidadavole, E Godavary.
Jannoo Hussan Sait, Rice Mill, Koleroon, Tanjore.
Kadakatla Rice Mill, Tadepalligudem, Godavary.
Kakarparthy Bhava Narayan, Bezwada, Kistna.
Khan Devan Hills Produce Co., Ltd., Trichinopoly.
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M. Rangaswami, Nayagar, Conjeeveram.
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Nataraja Rice Mills, Mangudi, Tanjore.
Nidamangalam Rice Mill, Nidamangalam, Tanjore.
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Pomaniar Rice Mill, Nidamangalam, Tanjore.
Sree Ram Krishna Rice Mill Co., Repalle, Guntur.
Sri Basavireddi Rice Mill, Nidadavole, E. Godavari.
Sri Kanam Rice Mill, Shivali, Tanjore.
Sri Krishna Rice Mill, Tadepalligudem, Godavari.
Sri Krishna United Mills, Tadepalligudem, Godavari.
Sri Mahalakshmi Rice Mill, Patcole, Godavari.
Sri Maruthi Rice Mill, Ellore, W. Godavari.
Sri Narasaraja Mills, Tadepalligudem, Godavari
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Sri Sita Ram Rice Mill, Cocanada S Godavary. (Also Anaparti, E. Godavari).
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Tiruvallur Rice Mill, Vijapapuram, Tanjore.
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Bhima Ice Factory & Flour Mills, Chauliagunj, Cuttack.

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SIND.

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Indo Trading Co 100, Clive St, Calcutta
International Trading Co 13, Clive St Calcutta
Lloyds Engineering Works, 190, Belilios Road Howrah
Machinery Supply Agency, 40, Strand Rd Calcutta
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Maya Engineering Works, Ray Bahadur Road Behala, Cal
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Bengal Rope Manufacturing Co, Serampore, Hooghly.
Bengal Rope Works, 14, Paikpara Road Cossipore, Calcutta
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Reliance Trading Co, 43, Clive Street, Calcutta

S C Mullick & Co, 23-1, Strand Road, Calcutta.

S P M M Abubaker & Bros, Thingenyum, Insein, Burma

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Shalimar Rope Works, Ld, Shalimar, Howrah M/A Turner Morrison & Co., 6, Lyons Range, Calcutta

Standard Materials Co, Kapasia Bazar, Ahmedabad, (Cotton driving ropes)

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Michelin Tyre (India) Ltd, 19, British Indian Street, Calcutta.

North British Rubber Co, Ltd, 40-A, Free School St, Calcutta

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R B S Rubber Mills Ltd, 71, Buttolla Str Calcutta Factory Lillooah

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INDIAN STATES.

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Dunlop Rubber Co, (India), Ltd, 42 Free School Str Calcutta

Indian Rubber Works, Giridih

RUBBER STAMP MAKERS.

BENGAL

Dey & Co, 1, Wiseghat Rd, Dacca.

BOMBAY CITY.

Alexandra Industrials, 4 Alexandra Road, New Gamdevi, Bombay 7

Want to Prosper in Business. Read "HOW TO DO BUSINESS." PRICE RE. 1. INDUSTRY BOOK DEPT., CALCUTTA

G A Mithawker & Co, Jehangir Wadia Building, 30, Bruce St, Fort, Bombay.
James Manufacturing Co, 407, Kalbadevi Road, Bombay.
Mankama Bros, Kalbadevi Rd, Bombay
Maharaja Agrasen & Co, 302, Kalbadevi Rd, Bombay 2
Masani & Co, 43, Medows St, Fort, Bombay

BOMBAY PRESIDENCY.

Vithal & Mandali, Main Rd, Nasik City

CALCUTTA.

A B Sons & Co, 1A Swallow Lane, Calcutta
B N Bysack 1 1 Ram Chand Ghose Lane Beadon St, Cal
Deb Sarma & Co., 71, Raja Nabo Krishna St, Calcutta.
Dutta Bros., & Co., 1/1, Gossain Lane, Baghbazar, Calcutta. (Also Metal Engravers Printers, Stationers & Ink Mnfrs)
Economic Rubber Stamp Mfg Co, 4-B Kasi Bose Lane, Cal
G Dey & Co 13, Satrughna Ghose Lane Calcutta
H C Biswas & Co, 38, Radha Bazar St, Calcutta
India Rubber Stamp Works, 49 Ezra Street, Calcutta
J Mayr, 1 Mission Row Calcutta
Victoria Rubber Stamp Mfg Co, 23, Canning Street, Calcutta

CENTRAL PROVINCES.

G J Bhargava & Sons Lordganj, Jubbulpore

INDIAN STATES.

C P Sivam & Co, Puthenthanthai Trivandrum, Travancore
Rahim & Co, Afzalgunj High Rd, Hyderabad
Srinivas Electric Press, Lansdowne Bldgs, Mysore
Universal Rubber Stamp Co., Station Rd, Secunderabad
Yajaman & Sons, Chickpet, Bangalore City

KARACHI

Karachi Art Works Serai Rd, Karachi.
Narman Photo Engraving Co, near Central Bank Karachi
Rubber Stamp Bureau, Bunder Road, Karachi
Vishnoo & Baboo, Yunkah Lines Lawrence Rd, Karachi

LAHORE.

Ram Chand & Co, Nila Gumbad, Post No 13, Lahore

MADRAS CITY

Best Rubber Stamp Manufacturing Co, 19, Kasi Chetty Street, G T Madras
L Logonatham & Co 165A, Broadway, Madras
L Pathy & Co 228, Govindappa Naick St, G T Madras
M K Swamy & Co, 27, Swamy Naicken St Madras
Somomudaly & Co China Bazar Madras

MADRAS PRESIDENCY

B N Reddy & Co, Cocanada
K Gurusamy Wedderburn St Erode
Gupta & Co Agraharam St Erode S I

ORISSA

Arunodaya Rubber Stamp Factory, Balu Bazar, Cuttack

PUNJAB

Sethi Brothers, Hira Mandi Ferozepore City, Pb

RANGOON

Royal Stationery Supply Co, 76 32nd St Rangoon

UNITED PROVINCES

Bholanath & Co, 30, Aminabad Park, Lucknow
Chhitarmal Shankarlal Misra & Sons G T Rd, Aligarh
Rai Kishore Bajpai Rubber Stamp, Chowk, Cawnpore

SAGO MANUFACTURERS.

(See Barley & Arrowroot Manufacturers).

SALT MANUFACTURERS.

Bengal Salt Co, Ltd, 137, Canning Street, Calcutta
Indian Salt Manufacturing Ltd., 12, Dalhousie Square, Calcutta.
Government Salt Golas, Salkia Howrah
Lokamanya Salt Works Ltd, 24, Strand Road, Calcutta. Factory —Mouseni, 24-Pargs

TELL YOUR STORY WHERE IT WILL BE READ
WRITE TO MANAGER, INDUSTRY, SHAMBAZAR, CALCUTTA

Nadu Salt Works, Porbandar, Kathiawar
National Salt Manufacturing Co, Ltd, 137, Canning St, Calcutta
Okha Salt Works, Okha, Kathiawar
Oriental Salt Co, Cocanada
Pioneer Salt Mfg, Co, 17, Mangoe Lane, Calcutta
Premier Salt Manufacturing Co. Ltd, 137, Canning St, Calcutta, Factories, 1, Samudrapur, Contai, Midnapore & Kadua, Contai, Midnapore
R P Umrigar & Co, Umrigar Bldg, 49, Abdul Rehman Street, Pydhonie, Bombay
Sumandi Salt Factory, Gopalpore
Victor Salt Refinery, Lahore

SANDALWOOD OIL MANUFACTURERS & DEALERS.

Abdul Majeed 79, Colootola St. Calcutta
Debiprasad Pryagdutt Pandit, 89, Lower Chitpore Rd, Calcutta
Govt Sandal Wood Oil Factory, Bangalore
Indian Sandal Oil Factory, Kuppam, N Arcot
Kangundi Industrial Works Kuppam, Chittoor, (Also Patchouli Oil, Cardamom Oil, Clove Oil).

SANITARY GOODS MANUFACTURERS.

A M Row & Co, Ry Station Rd, Tanjore
Bengal Pottery Works Ltd, 45 Tangra Rd, Calcutta
Burn & Co 12 Mission Row, Calcutta
Central Scientific Supplies Co Perianna Maistry St, G T Madras
Civil & Sanitary Engineering Co, Ltd, 11 Convent Rd, Calcutta
Delhi Plumbing & Sanitary Engineering Co New Delhi
Eastern Light Castings Co, Ltd, 4, Lyons Range, Calcutta
Masseys (1930) Ltd, 2/27, Royapuram, Madras
Rhyne Engineering, 12A, Mohini Mohon Rd, Calcutta
S K Chakraverty Ltd, 1-1A, Mission Row Calcutta
Sanitary Goods Depot, Chowri Bazar Delhi
Sanitary Engineers' Corporation, 77/1 Harrison Road, Calcutta
Sanyal & Co 309 Bow Bazar St, Calcutta
T A Ponnu & Co, 96, Purasawalkum High Rd Kipauk, Madras
W H Deeth & Co, P O Box No 2278, Calcutta, P O Box No 320, Bombay, P O Box 218, Madras, P O Box 226 Karachi
Western India Co, Wakefield House Ballard Estate, Fort Bombay

SATI FOOD MANUFACTURERS.

Amulya Dhan Paul, 113-114, Khengrapatty St, Calcutta
Bihar Miscellany, 2, College Sq, Calcutta
Nirmal Chemical Works 25/1/2, Garanhatta Str, Calcutta
P C Paul & Co, 13, Bonfields Lane, Calcutta
R C Chakraverty, 105, Cornwallis St Calcutta
Srinath Chemical Works, 2, College Square, Calcutta

SAW MILLS.

ASSAM

Assam Saw Mills & Timber Coy, Ltd, Murkongselek, Sadiya Frontier Tract, Assam
Calcutta Saw Mill, Dibrugarh, Lakhimpore, Assam
Margherita Saw Mill, Margherita, Lakhimpore, Assam
Mecklanadi Saw Mill, Laimakuri, Sadiya Frontier Tract, Assam
Veneer Mills & Sleeper Treatment Paint Works, Margherita, Lakhimpore, Assam

BENGAL

Jalpaiguri Timber & Lead Mills, Rajabhatkhawa, Jalpaiguri

BOMBAY CITY.

McKenzies Ltd, Bombay

TELL YOUR STORY WHERE IT WILL BE READ
WRITE TO MANAGER, INDUSTRY, SHAMBAZAR, CALCUTTA.

BOMBAY PRESIDENCY.

Dhulchand Gamnaji Rice & Saw Mills, Amalsad, Surat

BURMA.

A C Kundu's Saw Mill, Moulmein (Also at Amherst)
Aungtha Saw Mill, Seinbaw Qr, Mandalay
Baboo H Rookmaund's Saw Mill, Tavoyzoo, Moulmein (Also at Amherst)
Burma Corporation Ltd, Namtu, Northern Shan State
Burma Oil Co, Ltd, Saw Mill Chawk, Magwe, Burma
Mg Ko Gyi Saw Mills, Kywede, Pakokku Burma
Mg San Mg Nyos Saw Mill, Zigon, Tharrawaddy
Mg Shaungu's Tharrawaddy Saw Mill, Nyaungu, Myingyan
N C Chowdhury's Saw Mill Yedashe, Toungoo, Burma
Nam Choung Lon Saw Mill, Nawin, Prome, Burma
Oo-Daung Saw Mills, Thirimala Qr, Mandalay
R Shawbux's Saw Mill 2nd Dn, Moulmein and Amherst
Ratna Thiri Saw Mill, Myinmu, Sagaing, Burma
Swa Saw Mill, Toungoo, Burma
T D Findlay & Sons, Ltd, Mukum, Moulmein, & Amherst
U Ba Oh's Forester Saw Mill, Ela, Yamethin
U P Thet's Saw Mill, Zainggaing, Pegu, Burma
Yatana Thiri Saw Mill, Myinmu, Sagaing, Burma

CALCUTTA

Acharya Bros, Saw Mill, 12/1, Canal South Road, Calcutta
Annapurna Saw Mill, 2, Canal East Rd, Ultadanga, Calcutta
N. R. Ghosh & Co., 2, Canal East Road, Calcutta

DELHI.

Steel Slate Manufacturing Co, 17, Ajmeri Gate, Delhi

CENTRAL PROVINCES.

Govt Saw Mill, Allapalli, Chanda

INDIAN STATES

Government Saw Mill, Shimoga, Mysore State

KARACHI.

Karachi Saw Mill, Karachi

MADRAS PRESIDENCY

Dutch Saw Mill Kallai, Malabar
Kirwatti Govt Saw Mill, Kanara
Kolinoor Saw Mills Ltd, Kallai Malabar
New Malabar Timber Yards and Saw Mills Ltd, Kallai, Malabar

PUNJAB

Hayat Saw Mill, Jhelum, Punjab

RANGOON

Government Saw Mill, Ahlone, Rangoon
Macgregor & Co Ltd, Kemmendine, Rangoon, & Sokkyi Rangoon
Steel Bros, & Co, Saw Mill Money Point Rd, Rangoon

UNITED PROVINCES.

Forest Research Instt, New Forest, Dehra Dun
Silver Saw Mills, Railgani, Cawnpore

SCIENTIFIC APPARATUS DEALERS.

BOMBAY CITY

Dr Byram N Khambata, 305, Hornby Rd, Fort, Bombay
Fidally Gulamali, 163, Janjikar St, Bombay
S V Sovani, 239, Girgaon Road, Bombay

BOMBAY PRESIDENCY.

Relu Mal Pesu Mal, Dhak Bazar, Sehwan, Larkana, Sind

CALCUTTA.

Adair Dutt & Co, Stephen House, 5, Dalhousie Sqr East, Calcutta
Associated Instrument Manufacturers (India) Ltd, B/5, Clive Bldgs 8, Clive Str, Cal
Bengal Chemical & Pharmaceutical Works Ltd, 31, Chittaranjan Avenue, Calcutta
Bengal Scientific Apparatus & Minerals Co, 146, Cornwallis Street, Calcutta
Bengal Stores Supply Co, 19 Sukea's Lane, Calcutta
Indian Scientific Apparatus Co 63, Bowbazar Street, Calcutta
Jewel Export Filter Co, 10, Clive Street, Calcutta

DRINK & SELL SYRUP. "MANUFACTURE OF SYRUP" Explains the process INDUSTRY BOOK DEPT., Shambazar, Calcutta.

Novelties Mfg Co, Navsari Chambers, (P B 429), Bombay (Embossing instrument)
Lawrence & Mayo Ltd, 11, Government Place East, Calcutta
Medico Scientific Stores, 30, Colootola Street, Calcutta
Nadia Chemical Works, C 44/46, College St Market, Calcutta
Ruth & Co, 50, Radha Bazar St, Calcutta

CENTRAL PROVINCES.

Eastern Scientific Supply Co, Residency Rd, Nagpur

DELHI.

Imperial Educational & Scientific Works, Esplanade Road, Delhi
National Trading Co Ltd, Esplanade Road, Delhi

INDIAN STATES

Laboratory Supplies Co, Main Road Trivandrum Travancore, 9 Sree Krishna Bldgs, Avenue Rd Bangalore City
Murlidhar Modi & Sons Sadar Bazar, Jodhpur
M L Subba Rao 942 Hanman tekdi, Hyderabad, Deccan

LAHORE.

Ghulam Nabi & Sons Mayo Road, Lahore

MADRAS CITY

Janarthanam & Co, 100, Govindappa Naick St, Madras
P Orr & Sons, Ld, Mount Rd, 369, Esplanade, Madras
Scientific Advance Co, Ltd, 21 22, Lingha Chetty Street, Madras

MADRAS PRESIDENCY.

S Govindarajaloo Udamalpet, Coimbatore Dt

PUNJAB

Biological Supply Depot Hall Gate, Amritsar (Microscope Specialists, Erkameter, Asceptor)
Oriental Science Apparatus Workshop, Hill Road, Suddar Bazar, Ambala Cantt
Science Apparatus Supply House & Workshop, Hall Gate, Amritsar

UNITED PROVINCES.

Educational Supply Co, Bulanala, Benares City
Kishor Scientific Works, McNair Road Bareilly
Scientific Apparatus & Chemical Works Ltd, Civil Lines, Agra
Scientific Instrument Co Ltd, 5 A, Albert , Road, Allahabad
Br —11 Esplanade East Cal
Scientific Technical Workshop, 12, Aminuddaula Park, Lucknow

SEALING WAX DEALERS.

Bengal Industrial Co, 21, Gopal Ch Bose Lane Cossipore, Cal
Bhagwan Das & Sons, 43, Clive Street, Calcutta
Hisanand & Co, Bunder Road, Karachi
Imperial Trading & Manfg Co, 23A Sir Gooroodas Rd, Cal
N K Mitter & Bros, 32, Jackson Lane Calcutta
Oriental Sealing Wax Co, 9, Dalhousie Sq, Cal
P K Mitra Jovnagar (Utterpara), 24 Pargs
Punjab Manufacturing Co, Sanda Road, Lahore
Sealing Wax Factory Bhopal
Sharika Industrial Works (Regd), Jammu (Jwa) N W Ry
Sri Gopal Industrial Co, Cantonment, Trivandrum Br —Quilon (Also Twines)
Stationery Supplying Agency, 347 1, Upper Chitpur Rd, Cal

SELF-INKING PAD MANUFACTURERS.

J Mayr, 1, Mission Row, Calcutta
Eastern Merchants, (Estd 1920) 14 Old Court House Lane, Cal
Kapoor Duplicator Manufacturing Co, Lala Lajpat Rai Road. Banskaphatak, Benares
S K Haldar & Co 22 1 1, Jelhatola St, Calcutta

SEWING MACHINE DEALERS.

ASSAM

I & P Gogi, Panbazar, Gauhati, Assam

BALUCHISTAN.

Gokalchand Tarachand & Son, Circular Road Quetta

DRINK & SELL SYRUP, "MANUFACTURE OF SYRUP" Explains the process INDUSTRY BOOK DEPT., Shambazar, Calcutta.

BIHAR

Abdul Ghani & Abdul Wali, Wathgunj, Arrah.

BOMBAY CITY

Ahmed Umar, Bruce Street, Fort, Bombay (Kohler Machine).

Joyanti Lal Keshav Lall & Bros, 282, Sandhurst Rd, Bombay 4.

Singer Sewing Machine Co, 230, Hornby Rd, Bombay, E/2, Clive Bldgs, Cal, 218, Mount Rd, Madras, Trivandrum, Travancore, Chhota Bazar, Meerut

BOMBAY PRESIDENCY.

Abdul Rehman Dawood Karim, Bantva, Kathiawar

Alah Aukhiyo, Derzi St., Sehwan, Larkana, Sind

R S Matha, Margoa, Salsette, Goa

CALCUTTA

Dutta, Choudhury & Co, 173/1, Dharamtollah Str, Calcutta (Phoenix and Naumann)

Eastern Pfaff Sewing Machine Co, 32, Haris Mukherji, Calcutta

Don Watson & Co, 19, British Indian Street, Calcutta (Sewing Machines for Hosiery, Leather, Canvas & Jute, etc)

Enterprising Society, 43/1, Upper Circular Road, Calcutta

G K Seal & Co, 7-1-3, Gour De Lane, Calcutta (Daisy).

Jones Sewing Machine Agency, 19, British Indian Str, Calcutta

K C Mullick & Sons, 20A, Chittaranjan Avenue, Cal (Adler & Mundles Sewing Machines)

Pioneer Sewing Machine Co, 8B, Russa Road, Calcutta

Subol Dutt & Sons, 39, Clive Str, Calcutta

CENTRAL INDIA.

Imperial Sewing Machine Co, Main St, Mhow, C I

CENTRAL PROVINCES.

Mongal & Sons, Jonesgunj, Jubbulpore

DELHI

Delhi Sewing Machine Coy Ltd Delhi

Pumpa Sewing Machine Coy, Cloth Market, Delhi.

KARACHI.

Hassanand & Co, Bunder Road, Karachi

Pfaff Sewing Machine Agency, Bombay Bazar, Camp, Karachi

Tolaram Ramdas & Co, Bunder Road, Densohall, Karachi (Durkoff).

LAHORE.

L R Bhandari & Sons, Ramgalli, Lahore

Mehar Chand Sethy & Co Anarkali, Lahore

Pfaff Sewing Machine Co. (India) Ltd., Y M C A. Buildings, The Mall, Lahore.

MADRAS CITY

Mandhara & Co, P T, Madras

R C & Co, 107, China Bazar Rd, Madras

MADRAS PRESIDENCY

Abdul Haq, Bezwada, Kistna (Phoenix)

Natesan & Co Coimbatore (Phoenix)

S Vasan & Co, Big Bazar, Trichinopoly

PUNJAB.

Darbar Sewing Machine Co, Cambellpore

Davrra Sewing Machine Co, Wood Market Line, Sargodha

L Wazir Chand, Kangra

Ram Narain & Sons, Kamalia, Montgomery

RAJPUTANA.

Ramchander Balabakhsh, Agents, Burmah-Shell Oil Storage Co, Ltd, Sambhar Lake, (Rajputana)

UNITED PROVINCES

Diamond Jubilee & Sewing Co Meston Road, Cawnpore

Durkoff Sewing Machine Agency, New City, Etawah

Jokhan & Sons, Rekabaganj, Fyzabad

M Mishra & Co Bans ka Phatak Benares City

SEWING THREAD & THREAD BALL MNFRS.

Ahmedabad Manufacturing & Calico Ptg, Co, Ahmedabad

Bharat Trading Co, 22, Sukea Lane, Calcutta (Crochet Cotton, Sewing cord, Golden silk and Twine balls)

Calico Mills, Ahmedabad.

You can Manufacture Writing Ink & Sell it. Read "MANUFACTURE OF INK." Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Central India Spg Wvg & Mfg. Co, Ltd, Empress Mill, Nagpur
Chittoor Sewings Manufacturing Co, Chittoor, S. I.
Continental Textile Stores Co., P O Box No, 770, Bombay 1.
Ebrahim Alibhai Bros, 67, Sutui Chawl, Bombay
Everstrong Sewing Manufacturing Co, Chittoor
Indian Silk Works, 73, Muktaram Babu St, Cal (Silk Yarns)
J E Billimoria & Sons, Assa House, King's Way, Nagpur
Karamchand Thadaram, 200, Abdul Rehman St, Bombay
Karim Bux & Elahi Bux Bros, 58-4, Canning Street, Calcutta
Kesoram Cotton Mills, 8, Royal Exchange Place, Calcutta
Lakoder Mullick, 183 Dharamtala Street, Calcutta
M Bagh & Co, Agt M Carlton & Co, 5, Swallow Lane, Calcutta
Maganlal Ramanlal, 30/34, Manihariputty, Calcutta
New Egerton Woollen Mills Co, Dharwal, Punjab
Nicholdas Kishindas & Co, Mariott Road Karachi
Raolin & Co, 123, Haris Mukherjee Road, Kalighat, Calcutta
Swadeshi Silpa Mandir, Rani Dighirpar, Comilla (Ball thread, Crochet cotton, Twine thread)
T S Abdeally & Bros, 3, Bunder Street Madras
Twine Ball Manufacturing Co, 27, Fakir Chand Chakravarty Lane, Calcutta

SHARE BROKERS.

(See under Stock & Share Brokers)

SHAWL MERCHANTS.

CALCUTTA

Charandas Harmandas, 37 Cross Street Calcutta
Chandra Kumar Baikuntha Nath Guin & Co, College Street Market, Calcutta
Dunichand Kishan Chand Khanna, 46, Cross Street, Calcutta
Jaharlal Pannalal & Co 68 Cross St, Calcutta
Jan Mahomed & Son, Grand Hotel Arcade 16-5 Chowringhee Road, Cal (Also Carpet)
I H Lilaram & Co, Ltd, 7 & 9 Park Street, Calcutta
Kamalalaya College Street Market Calcutta
Tara Stores, 87 2, College Street, Calcutta

DELHI.

Kanshi Ram Kesho Ram, Chandni Chowk, Delhi
Kishen Chand & Sons, Chandni Chowk, Delhi
Mirzaji & Sons, Chawri Bazar, Delhi

INDIAN STATES

Bharat Lakshmi Trading Co. Rainawari Srinagar, Kashmir
C M Hadow & Co's Carpet Weaving Factory, Srinagar, Kashmir
Gwasha Lal & Bros Gundi Ahalmar Srinagar, Kashmir
Habib Ullah Ahmad Uullah Kashmere Mirjapur Nawal Kadal Srinagar
Ishwar Dass Tikoo & Sons Srinagar Kashmir
Kashmir Weaving Co, Srinagar, Kashmir
Mitchell & Co Srinagar Kashmir
Zutshi & Co Srinagar, Kashmir

LAHORE

Haji Abdul Subhan Khan Kashmiri Bazar, Lahore

PUNJAB.

Abdullah Sons & Co, Lohari Gate, Sialkotian St, Amritsar
Bharat Industrial Co, Amritsar
D C Mehra & Co, Raja Ram St, Amritsar
S S Mela Singh & Son, Chowk Baba Atal, Amritsar
Sadal Pashmina House, Ludhiana

SHELLAC EXPORTERS.

CALCUTTA

A M Arathoon & Co, 5, Dalhousie Sqr, Calcutta
Kedar Nath Khandelwal & Co, 11A, Radha Bazar Lane, Cal

RAY'S INDUSTRIES, 14-1, Old Chinabazar Street, Calcutta.
COPPER PLATE ENGRAVERS AND PRINTERS.

Lall Marshall & Co, 25, Mangoe Lane, Calcutta
M M Ispahani & Sons, 51, Ezra Street, Calcutta
R K Modi & Co, 111, Canning Street, Calcutta
Turner Morrison & Co, 6, Lyons Range, Calcutta.

SHELLAC MANUFACTURERS.

BIHAR.

A M Arathoon's Shellac Factory, P O Jhalda, Manbhum
Debi Prasad Mewalal, Balrampur, P O Rangadih, Manbhum
Hindpiri Lac Factory, Hindpiri, Ranchi
India Lac Co, P O Nirshachatt, Dhanbad
Murhu Lac Factory, Murhu, Ranchi
Narayan Lac Factory, Murhu, Ranchi
S J Apcar Shellac Factory, Jhalda, Manbhum

CALCUTTA.

Angelo Bros, Ltd, 6, Lyons Range, Calcutta
Deokarandass Prabhudayal Shellac Factory, 50, Bosepara Lane, Calcutta
Kishunprasad Bansidhar, 20, Mangoe Lane, Calcutta
Moran & Co, 4, Lyons Range Calcutta
Tollygunge Shellac Factory, Hathibari, Tollygunge, Calcutta

INDIAN STATES.

Bhopal Produce Trust Ltd, Bhopal
Government Lac Factory, Maleswaram, Bangalore City
Rewa State Shellac Factory, Umaria

PUNJAB.

S S Mela Singh & Son, Chowk Baba Atal, Amritsar

UNITED PROVINCES

Anant Ram Ganesh Prasad, Badhikatra, Mirzapore
Babulal Bhagirati, Puranianjahi, Mirzapur
Badhikatra Lac Factory, Badhikatra, Mirzapore
Baldeo Prasad Surju Prasad, Muzaffarganj, Mirzapore
Bhagwan Das Parsotam Dass, Badhikatra, Mirzapore.
Bishya Nath Prasad Bajnath Prasad, Dankinganj, Mirzapore
Buddhu Ram & Bhagwan Das, Bhasiatola, Mirzapore
Bujhawan Ram and Bandhu Ram, Bhasiatola, Mirzapore
Chedi Lall & Mewa Lall, Sabri, Mirzapore
Garib Ram Chedi Lall, Ganeshganj, Mirzapore
Gaus Mahomed Khairuddin, Laiduggi, Mirzapore
Gopal Dass Kandhiya Lall, Muzaffarganj, Mirzapore
Hajee Shaik Abdul Karim's Lac Factory, Dakhin Phatak, Mirzapore
Hari Dass Bishamber Dass, Muzaffarganj, Mirzapore
Jagadish Brothers, Dankinganj Mirzapore
Jagannath Rao Kasaira, Chainganj, Mirzapore
Janki Prasad & Bansi Lall, Ganeshganj, Mirzapore
Lachman Das & Manrakhan Lall, Ganeshganj, Mirzapore
Lodi Ram & Narain Dass, Sabri, Mirzapore
Parsotam Dass Bindeshari Prasad, Narghat, Mirzapore
Ram Dass & Behari Lall, Ganeshganj, Mirzapore
Rookher Ghat Co, Ltd, Rookher Ghat, Mirzapore
Surjiwan Lall & Mahabir Prasad, Ganeshganj, Mirzapore

SHIP BUILDERS & ENGINEERS.

Abdul Bari Chowdhury's Dockyard, Kamakasit, Rangoon
Arakan Flotilla Co, Ltd, Akyab, Burma.
B I S N Co's Mazagaon Dock, Bombay
B L Engineering, Garden Reach Workshop, & Howrah Road, Workshop, & Howrah Road Salkia, Howrah
Brunto & Son, Ernakulam.

DO YOU KNOW WHERE YOUR CUSTOMERS ARE IN SUMMER THE AGGARWAL STORE, SUBATHU, SIMLA.

Bulloch Bros, & Co, Ltd, Foundry, Lower Pazumdaung Rangoon
Calcutta Landing & Shipping Co s Works, 24, Howrah Road, Salkia, Howrah
Ganges Engineering Works, Bally, Howrah
Hooghly Docking & Engineering Co, Ltd, 3, Howrah Rd, Salkia, Howrah
Howrah Iron Works, 20, Telkal Ghat Road, Howrah
I G N & Railway Co's Dockyard, 44, Garden Reach, Cal
Irrawady Flotilla Co, Ltd, Sein Ban Qr, Mandalay, Burma
Mampilli Bros, Bastion Street, Cochin
R S N Co s Garden Reach Works, 43 46, Garden Reach, Calcutta
Shalimar Works, 63, Foreshore Road, Shibpur, Howrah
Victoria Engine Works Props John King & Co, Howrah

SILICATE OF SODA MANUFACTURERS.

Bengal Silicate Works, 7, Swallow Lane, Calcutta
Calcutta Glass & Silicate Works, 6B Kundu Lane, Calcutta
Calcutta Mineral Supply Co, Ltd, 31 Jackson Lane, Calcutta
Gujrat Silicate Works, 241, Manicktala Main Road, Calcutta
Punjab Silicate Works Bagmari Road, Calcutta
Sri Ratan Silicate Co P O Katrasgarh Manbhum

SILK FACTORIES.

Bangalore Silk Filature Ulsoor Gate, Bangalore
Benares Cotton & Silk Mills, Agnts Sital Prasad Khaiag Prosad 31 1 Burtala St, Cal
Bengal Silk Mills 13, Ariff Rd, Ultadanga Calcutta
Bhadrapur Silk Factory, Bhadrapur, Birbhum
Bombay Silk Mills, Colaba Road, Bombay 5
Chandiram Weaving Factory, Rohri
Chhoi Silk Mills Co Ltd Bombay
Chi Silk Mill Co, Ltd, 35 Armenian Street Calcutta
Chonksi Silk Weaving Factory, Shajahanpur
Continental Textile Stores Co P O Box No 770, Bombay 1.
Coonwer Silk Mill 30, Mission House Lane Tollygunge, Cal
Diwan Balmakund Mull Silk Mill Co Galsabad, Dist Benares
Gandhi Silk Factory, Agast Kunda, Benares City
Government Silk Filature Mysore
Indo Kashmir Textile Manufacturing Co Ltd, Srinagar, Kashmir
Jagannath Chaman Ram Karta Ram Street, Ludhiana Punjab
Jyanti Ramchandrappa Silk Weaving Factory, Bellary
Kashmir Silk Factory, Srinagar
Lakshmi Venkateswaraswami Silk Weaving Factory Rayadrug, Bellary
Muniruddin Ahmed & Co, Jangipur P O, Murshidabad
Narendra Silk Mills Surat
Pahlij Silk Factory, Rohri
Patel Mills Saharanpur
Plassey Silk Factory, Plassey, Nadia Bengal
Saraswati Silk Co, Prop, Jai Singh, Nai Basti, Benares Cantt
Sassoon & Alliance Silk Mill Co, Ltd Victoria Road Mazagaon Bombay
Silk Twisting & Dyeing Factory of Khodiy Eswaran Bangalore City Factory 11 Race Course Road Near City Railway Station Bangalore City
Silk Weaving Factory, Tatta, Jungshahi
Silk Weaving Factory 12 Bag Sunderdas Benares
Sindhwah Cloth Factory, Shikarpur
South Indian Manufacturing Co, Big Sourashtra Street Trichinopoly, S I
Sri Lakshmi Silk Factory, Peddapuram, E Godavary
Sri Lakshmi Venkateswara Silk Weaving Factory Rayadrug, Bellary

You can Manufacture Writing Ink & Sell it. Read "MANUFACTURE OF INK." Re 1-8. Industry Book Dept, Shambazar, Calcutta.

Shri Rama Silk Throwing Factory, "Shri-Ram Bagh" Guttahalli Extension, Basavangudi, Bangalore City

Tata Silk Farm, Basavangudi, Bangalore City.

Winsum Silk Mnfg Co., Risalpura, Mhow, C I

SILK MERCHANTS.

ASSAM.

Assam Home Industrial Co, Kamakhya, Gauhati, Assam

Assam Silk House Gauhati

Deb Brothers, Gauhati

Dewan & Co, Gauhati

Dutt's Assam Supplying Agency, Gauhati

Ganeshdas Badrung Narayan, Gauhati

Janardan Das & Co Barpeta

Surajmal Haribux, Gauhati

Surajmall Kamakshya Lall, Gauhati

Talukder & Co, Barpeta Assam

BENGAL

Bata Krishna Kanoo, Islampur Chawk, Murshidabad

Bengal Co operative Silk Union Ltd, Malda

D Dalal & Sons, Badangunj, Hooghly (Tasar Silk)

Chowdhury & Sons, Malda

Debcedeen & Sons, Gora Bazar, Berhampore, Murshidabad

D S Bhattacharjee & Sons, Berhampore, Murshidabad

Dafferpur Silk Factory, Raghunathganj, P O, Murshidabad

Gani Chowdhury, Islampur Chawak, Murshidabad

Kanailal Madan Gopal Saha, Chawk Bazar Murshidabad

Krishna Chandra Chowdhury, Khagra Bazar, Murshidabad

Lakshmi Stores, Khagra P O, Murshidabad

Muniruddin Ahmed & Co., Jangipur P O, Murshidabad

Murshidabad Silk Industry, P O Khagra Murshidabad

Murshidabad Silk Store, Jiaganj, Murshidabad

Pure Silk Cloth Bhandar Bishnupur, Bankura

Sheokishen Premsukh, Malda

Sree Azad Silk Cottage, P O P. O. Bishnupur, Bankura.

BIHAR

A Queedo, Lall Bagh, Mahendru P O Patna

Bhagalpur Silk Emporium, Nayabazar, Bhagalpur

Bhagalpur Silk Stores, Sujaganj, Bhagalpur

Khemka & Sons, Bhagalpur City

Suddha Reshmi Khadi Bhandar, Nayabazar, Bhagalpur City.

BOMBAY CITY

Babubhai Chunilal & Bros, Opp Nar Narain Temple, Kalbadevi, Bombay

Dhanamal Chellaram, 41-45, Medow Street Fort, Bombay

Harnam & Co, 343, Kalbadevi Rd Badamwadi, Bombay 2

Indian Silk Depot, 57, Krishna Gali, Swadeshi Market, Bombay 2

K J Kapadia & Co, 131, New Charni Road Bombay

K Hassaram & Co, Jackeria Musjid Bombay

Kishinchand Chellaram, near Jackeria Musjid, Musjid Bunder Road, Bombay

Kundanmal Ramlal, Wassiamul Assumal Bldg 180, Musjid Bunder Rd Bombay

Madhavdas Ragunathdas & Co 172, Hornby Road, Bombay

Mysore Products, 191, Princess Str Bombay

Mysore Silk Depot, Swadeshi Market Kalbadevi, Bombay

Nassur Hajee Mowjee & Co Nassur Building, Mahomedali Rd Bombay

Omprakash Durgadas, Resham Bldg, Jakeria Musjid, Bombay

Pohoomull Bros, Pohoomull Bldg Bombay No 3

Ratilal Bhikhabhai & Co, Girgaon P O., Bombay

Rijhumal Brothers, New Silk Bazar, Kalbadevi, Bombay 2 Br.—Delhi Hyderabad, (Sind) & Kobe, (Japan)

Wasiamull Assomul & Co, 164 Jakeria Musjid, Bombay

MANUFACTURE SOAP ? READ "MANUFACTURE OF SOAP" INDUSTRY BOOK DEPT., SHAMBAZAR, CALCUTTA.

BOMBAY PRESIDENCY.

Ambaram Harkisandas, Mahidhar Kumbharseri, Surat
B B Gajiwala Sons Co, Rampura, Dudhara Sheri, Surat (Silk and Zari Borders)
Balubhai Chhaganlal & Co, Haripura, Sukhedasheri Surat
Basapa Gaugawati, P O. Guled gudd, Bijapur
Chandulal Sanmookhlal, Mahidharpura Bhutseri, Surat
Chimanlal Jeysinghai, Manock Chowk, Ahmedabad
Dayabhai Gokaldass Outside Panch Kuva Gate, Ahmedabad.
Kakhashro Sorabji Joshi Soda garvad, Surat
Nukarchand Maganlal Below Market Chawk, Police St, Ahmedabad
Veerpa Bhavi, P O Guledgudd. Bijapur

CALCUTTA

Anubhai Mayabhai, 44, Burtolla Street, Calcutta
Bangal Home Industries Association, 3A, Hogg Street, Calcutta
Bengal Stores Ltd., 8-A, Chowringhee Place, Calcutta M./A. Birla Bros. Ltd
Chandra Kumar Baikuntha Nath Guin & Co, College St Market, Calcutta
Dawoodbhai Daffarjee, 19, Sukea's Lane, Calcutta
Great Indian Silk Store, 57B, College Str, Calcutta
Indian Silk House, 206, Cornwallis Street, Calcutta
Indian Silk Kuthi, 63, College Str Calcutta
Indo Burma Silk Trading Co, 144-2, Lower Chitpore Road, Calcutta
Kamalalaya, College Street Market, Calcutta
Krishnalal Manilal & Co., 207/3, Harrison Road, Calcutta
Indian Silk Store, 84, Bowbazar St, Calcutta
National Textiles Printing Works, 89, Harrison Road, Calcutta
Neelambur Bishayee, Keshablal Bishayee, 37, Khengraputty St, Calcutta
Priya Gopal Bishoyi, 70, Khangraputty St, Calcutta
Rasik Lal Bishayee, 225, Harrison Road, Calcutta
Reshamalaya, 57-1, College St, Calcutta
Shantilal Kalidas, 16/1, Harrison Road, Calcutta
Silk Home, 56, College Street, Calcutta
Taraknath Sashibhusan Haldar, 46, Cross Street, Calcutta
Tulsidas Gordhandass & Co, C/o Chhori Silk Mills Co Ltd, 7-1, Armenian Str, Cal

CENTRAL INDIA

B Deoti Lall Sons Mhow
Moolchand & Sons, Mhow

DELHI.

Champak Silks, Chandni Chowk, Delhi

INDIAN STATES.

A Venkannath & Co, Secunderabad Deccan
Abdul Rehman Khan & Sons, General Bazar, Doddapet, My-
Bangalore Silk Filature and Throwing Mill, Bangalore City
Bhogilal Keshavlal & Co, Morvi, Kathiawar
Chandiram Bros, 115, Oxford St, Secunderabad, Deccan
H Rangaswamiya, Manavaratapet, Bangalore City
Kode Eswarsa, Santhipet, Bangalore City, Mysore State
S Dawood & Son, Main Bazar Road, Bowringpet Kolar
Said Mohamed Routher & Sons, Petta Rd Muvatupuzha, Travancore
Savaji Vijaya, Opp Jubilee Garden, Baroda
Soni Brothers, Hari Singh High Street, Srinagar, Kashmir
St Mary's Industrial School, P O Ollur, Cochin State
T Hassaram, (Bombay Royal Silk Stores) Secunderabad Deccan
Venkatagathiappa & Bros, Davangere, Mysore
Wakhaloo & Bros, 3rd Bridge, Srinagar, Kashmir

Display your Advertisement on "Open Air Slide Show" & boom your business. Consult: VISHNOO & CO., 82/2-E, Cornwallis St., Calcutta.

KARACHI

Bachumal Mulchand, Kharadar Karachi
Thaker Vishinji Visram Kharadar, Karachi
Vishinjee Visram, Kharadar, Karachi

MADRAS CITY.

C Paramandass & Sons, 16, Sukmoodas St, P T, Madras.
K Hassaram & Co, 98, Godown St, Madras
R Pavanceandy Pillay & Sons, 4, Luckmudoss St, Madras

MADRAS PRESIDENCY

Bombay Stores, Big Bazar, Trichinopoly
Erode Sitaram & Co, Ltd, Agraharam St, Erode
General Stores, Monojappa St, Tanjore
K K Venkatachalapathy Iyer, Brahmin Koil Street, Kumbakonam (Kora Silk)
K S Muthiah & Son, Silk House, Tinnevelly
Lakshmi Venkateswaraswami Silk Weaving Factory, Royadrug, Bellary
M Arunachalam Pillai, Rangar Gownden St, Coimbatore
Mavuri Maravya Garu, Vuppada, Pithapuram P O, Godavary
Md Sulaman Sait, Madura
Muppana Somaraju & Veeraju Sons, Peddapuram, S. India
Pesala Subbarayudu & Co, Peddapuram, Godavary
Pragjee Odahaujee, Bazar St, Erode
R C Mission Sericulture Depot, Vadakangulam Tinnevelly
Reddiar & Co, Palamcottah, Tinnevelly (Also Silver)
S S S Thiagarajier Pillai, Palamcottah, Tinnevelly.
Satramdas Kishen Chand Main Road, Vizagapatam
T L V Krishna & Bros. Bazar Road, Trichinopoly

MERWAR.

G C Chhagem Lall & Sons Nasirabad, Ajmer

ORISSA

Gupta & Co, Chicacole, Ganjam

PUNJAB.

Bharat Industrial Company, Amritsar (Also Woollen Goods, Ivory Goods & Cotton).
Fashionable Cloth Manufacturing Co, (India) Regd, Ludhiana.
H Gopaldas & Sons, Edwards Rd, Rawalpindi, Mall Murree
Indian Textile Co, Benares Art House, Simla
Jeci Weaving Factory, Kartaram Street, Ludhiana
Ludhiana Silk House, Basanta Mall, Bhara Mall, Main Bazar, P O Box 5, Ludhiana
R H Mehta & Co, Moti Bazar Palanpur, Gujrat
Tajmal Haganlal, Palanpur, Gujrat
Union Swadeshi Stores, Berham puri, Ludhiana

RANGOON.

Aga Ahmed Sherazee, 644, Merchant St, P B N 50, Rangoon

UNITED PROVINCES

Adimoorti Bhaskar & Co, Benares City, U P
Balajee & Co, Chowk, Benares City
Balkrishen Seth & Bros, Benares City
Benares House, Bishwanath Gali, Benares City
Bharadwaj & Co, Benares City
Girdhar Das Jagan Mohan Das, Phatak Shuklal Sahu, Benares City
Girdhardas Haridas, Raghunath Das, Phatak Sukhlal Sahu Benares City
Gurupada Mukherjee, Lachmanpura, Benares City
Hindu Muslim Stores, Sanitary Road Lucknow
Indian Textile Co, Benares City
Indian Stores, Gyanbapi Chowk, Benares City
Jaikrishna & Co, Bhat Ki Silk House, Benares City.
Keshari & Co, Benares City
Kunja Lal Burman, Lakhi Chatra Benares City (Silk Thread)
Lachmi Narain Shiva Prasad, Ram Kuan, Benares City.
Lakshmi & Co., Mansarover, Benares City

For Slide Making & Advertisement on "Open Air Slide Show" Consult: VISHNOO & CO., 82/2-E, Cornwallis Street, Calcutta

Meenakshi Silk Co., Benares City.
Mohini Mohan Kanjilal & Bros., Biswanath Gali, Benares City
Moniram Harjiwandas, Gaighat, Benares
Moti Chand, Kunjilal, Thathera Bazar, Benares City.
Pt Chiranji Lal & Sons, Baldeo Mandir, Meerut City
Saraswati Silk Co, Prop, Jai Singh, Nai Basti, Benares Cantt
Silk Pitamber Co, Benares City.
South Indian Stores, Kedar Ghat, Benares City
Sundar Ram Gandhi, Benares City.
Tansovkrai Surajmal, Lakhichattra, Benares City
Thakurprosad Jagadishprosad Arora, Siddheswari, Benares City
Vishwanath Rao Kaul & Brothers, Durgaghat, Benares City

SIZING MATERIAL DEALERS.

C Doctor & Co, Railwaypura, Ahmedabad (Sizing Materials)
Indo British Chemical Co, Kapasia Bazar, Ahmedabad (Starches, Dyes)
Keymore Bagshawe & Co Ltd, 4, Lyons Range, Calcutta
Pearl Products C Ltd, Cawnpore (Starch and Dextrine)
Sizing Materials Co Ltd, Hornby Road, Bombay
Sizing Stores Supply Co, 22, Appollo Str, Fort, Bombay

SLATE AND SLATE-PENCILS MANUFACTURERS.

Bengal Slate & Cards Co, 137, Howrah Road Howrah
Bengal Slate Works Jamalkhan, Chittagong
C C Parekh's Slates & Slate Pencil Factory Petlad, Baroda
G Chennaveerappa, Tumkur
K B Nath & Bros, Sialkot City
Kangra Valley Slate Co, Ltd Maclagan Road, Lahore
Megha Slate Factory, Baramati, Poona
Punjab Scale Works, Sialkot
Sri Vivekananda Swadeshi Slate Works, Markapur, S I
Steel Slate Mfg Co, 17, Ajmere Gate, Delhi
T S Chakrapani, Attikkadai St, Koradacheri, Tanjore
W R Talwalker, Examiner Press Bldg, Meadows Street, Bombay

SLIDE MAKERS.

Allahabad Swadeshi League, Jawahri Bazar, Allahabad
Fine Art Cottage, Old Mission School Building Paltan Bazar Dehra Dun
Calcutta Pure Drug Company, 4-1A. Waterloo St., Calcutta
Vishnoo & Co, 82/2 L, Cornwallis Str, Calcutta

SNUFF MANUFACTURERS.

BENGAL.

H C Basu, Serampore, Hooghly

BOMBAY CITY.

Mangalore Snuff Works, Adun Bldgs, near Wellington Cinema, Dhobitalao, Bombay 2

BOMBAY PRESIDENCY.

K. C. Tiwari, Nasik City
V K Dighe, Janjira Murud, Kolaba

CALCUTTA

Bonobehari Sen & Krishna Ch Auddy, 47, Raja Katra, Burrabazar, Calcutta.

MADRAS CITY.

Guru Basava & Co, Ltd, Anumantaroyan St P T, Madras
K A Pindam & Co, P O Box 557 Royapuram, Madras
P V Rajan & Co, 44, Govindappa Naicken St, Madras Br 14, Upper Chitpore Road, Cal
Pandiyan & Co, 5, Old Jail St, Madras
R K Fragrant Snuff Co, P B. No 1156, Washermanpet, Madras
R Mugam & Co, 4, Old Jail St, Madras
Rajarajeshwari & Co., Rayapuram, Madras

Slide Advertisement on "Open Air Screen" a novelty, Stricking too Consult: VISHNOO & CO., 82/2-E, Cornwallis Street, Calcutta

Shunmugam Snuff Co., 290, Thiruvottiur High Road, Tondiarpet, Madras.

Sri Ambal & Co., 2-13, Perumal Koil Garden 1st Street, Madras.

MADRAS PRESIDENCY.

Canara Snuff Works, Dongarkeri, Mangalore.

H. Ramarao & Sons, Car Street, Mangalore.

J. Ramakotiah, Vearanki Lock, Kistna.

K. M. Servalingmudalier, Lord Napier St., Erode, Coimbatore.

Kavi & Sons, Car St., Mangalore.

Manjunath Shiv Shet, Mangalore.

Manthram Kadai, Virapandianpatnam, Tinnevelly.

Mukanda Nayak, Mangalore, S. Kanara.

PUNJAB.

Lala Raghbar Das, Mathura Dass, Kalka, Ambala.

SOAP MANUFACTURERS.

ASSAM.

Bharulu Soap Works, Gauhati.

Kesho Kantho Chemical Works, Gopal Mondir, Numolingoarh P.O., Assam.

Raj Mohan Soap Factory, Imphal.

BENGAL.

Arorah Soap Works, 20, Dobson-Road, Howrah.

Birla Soap Works, Birlapur, Budge Budge, 24-Pargs.

Dacca Soap Factory, 32, Ranket Street, Dacca.

Industrial and Chemical Works, Kalagachia, Midnapore.

Kishori Rice Mills, Contai Road, P.O Belda, Midnapur Dt. B. N Rly.

Mashroo Soap Industries, School Bazar, Midnapore.

P. K. Sen & Sons, Chittagong, (Chaulmoogra and Margo Soap.)

Roy Soap Works,, 89, Hrishikesh Das Road, Dacca.

Satitva Mohan Das & Sons, 243, Walter Road, Dacca.

Sun Rise Soap Works, 229, Maishandi, Wari, Dacca.

BIHAR.

Bihar Chemical & Soap Works, Motihari, Champaran.

Bihar Soap & Perfumery Works, Patna Gaya Road, Patna.

G. T. Company, Khalil Manzil, Arrah.

Patna Soap & Perfumery Works, Gudri Bazar, Patna City.

Swadeshi Soap Factory, P.O., Ruseraghat, Darbhanga.

BOMBAY CITY.

Anglo-Indian Drug & Chemical Co., 285, Juma Musjid, Bombay.

Annar & Co., Choudhari House, Khotachiawadi, Girgaum Back Road, Bombay. (Textile Soap).

Baghdad Soap Factory, 43, Foras Road, Bombay.

Baker Soap Works, Vatsaraj Lane, Matunga, Bombay.

Bombay Soap Factory, Ripon Rd, Cross Lne, Jocob Circle, Bombay.

Diamond Soap Co., Girgaon, Bombay.

E. S. Patanwala, 182-184, Abdul Rehman Str., Bombay No. 3.

Godrej Oil & Soap Co., Byculla, Bombay.

Gokhale Mfg. Co., Byculla, Bombay. (Also Shaving Sticks).

Mira Chemical Works, Chinchpogli, Parel, Bombay 12.

Madam White's Chikkalli Factory, Kurla, Bombay.

Minco Soap Factory, Victoria Rd., 2nd Cross Lane, Mazagaon, Bombay No. 10.

Morona Manufacturing Co., 1, 22-24, Lamington Road, Off Jacob Circle, Bombay.

Reco Soop Company, 81, Princess Street, Bombay No. 2.

Royal Soap Works, Madanpura, Bombay.

Swastik Oil Mills Ltd., Siwri, Post Box No. 362, Bombay 15.

Tata Oil Mills Co., Ltd., Bombay.

Venus Soap & Chemical Works, Lal Chimney, Lamington Road, Bombay.

William Gossage & Sons, Ltd, Contractor Bldgs., Nicol Road, Ballard Estate, Bombay.

Display your Advertisement on "Open Air Slide Show" & boom your business. Consult: VISHNOO & CO., 82/2-E, Cornwallis St., Calcutta.

BOMBAY PRESIDENCY.

Gogate Soap Works, Sangli.
Hindustan Union Soap Factory, 177, Rastapet, Poona.
Imperiol Soap Works, 357, Vithal Peth, Poona City.
Indian Commercial Agency, Sangli, S. M. C.
Laxmi Soap Factory, Ahmedabad.
M. D. & Sons, Asarwa, Ahmedabad.
Mahatma Gandhi Soap Factory, Raviwar, Poona.
New Laxmi Oil & Chemical Works Ltd., Derol, Dt. Panchmahal.
Rani Soap Manufacturing Co., Bombay-Agra Road, Nasik City.
Sardesai Brothers, Bilimora, B. B. & C. I. Rly., Agencies at Bombay, Indore & Baroda.
Saturn Refinery (Regd.), Abrama, Via Vedachha, Surat Dt.
Tower Soap Factory, Dhulia, W. Khandesh.
Victor Soap Co., Bhadra, Ahmedabad.
Winner Soap Works, 531, Sadashivpet, Poona.
Yashwant Soap Co. Bhada, Ahmedabad.

CALCUTTA.

Adarsha Karyyalaya, 67/4/2, Balaram De Str., Calcutta.
Ahmad Soap Factory, 8-82-1, Manicktala Main Rd., Calcutta.
Banga Luxmi Soap Works, 28, Pollock Str., Calcutta.
Bengal Chemical & Pharmaceutical Works, 31, Chittaranjan Avenue, Calcutta.
Bengal National Soap Factory, 59, Dum Dum Road, Moti Jheel, Dum Dum, Near Calcutta.
Bengal Toilet Co., 24 2, Badridas Temple St., Calcutta.
Bharat Soap Works, 37, Muraripukur Rd., Manicktala, Calcutta.
Calcutta Chemical Co., Ltd., 35-1, Panditia Rd., Ballygunge, Calcutta. (Carbolic & Neem Soap and Shaving Stick).
Calcutta Soap Works, Calso Park, Tiljala, Calcutta.
City Soap Works, 153 4, Manicktala Main Road, Calcutta.
Crown Soap Co., 99-3, Canning Street, Calcutta.
Crystal Soap Co., Sole Agts., Chandpuri Ghosh & Co., 89, Harrison Rd., Calcutta.
Dacca Soap Co., 100, Canning Street, Calcutta.
East India Soap and Chemical Works Ltd., 14, Bechulal Road, Calcutta.
Golden Soap Factory, 171A, Harrison Road, Calcutta.
Gujrat Soap Mfg. Co., 108, Canning St., Calcutta.
H. R Brothers & Co., 81A-C, Bechu Chatterjee Str., Calcutta.
Himani Soap Works, 59, Belgachia Rd., Calcutta.
Imperial Soap Works, 85, Belgachia Road, Calcutta.
Inman & Co., P.O. Box 8983, Calcutta. (Shaving stick).
Jadavpur Soap Works, 29, Strand Road, Calcutta.
Kalapi Soap Factory, 108/1/2, Canning Str., Calcutta.
Laxmi Chemical Works, 9, Sukeas Lane, Calcutta.
Lister Antiseptic & Dressing Co., (1928) Ltd., 19, Umakanto Sen Lane, Calcutta.

SOAP STONE POWDER, SILICATE OF SODA

and other raw materials for manufacture of Soaps, such as—Caustic Soda, Rosin, Cocoanut, Mohua, Groundnut oils, scents, colours etc. **Best Talc Powder—For Toilet Preparations.** Glass Powder: Manganese Dioxide for Matches. Also Dealers in—China Clay, Fire Bricks, Fireclay, Red and Yellow ochres, Red and Black oxide of Iron, Plaster of Paris, Quartz Sand, Magnesia 85%, Prepared Chalk etc., etc

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31, Jackson Lane, Calcutta.

Manufacturers of Silicate Soda for Manufacture of Soap and Metalling of Roads.

Major Soap Co, 11, Sreenath Babu Lane, Calcutta
Mahalxmi Soap Works, 39, Cotton Str, Calcutta
Mina Soap Works, 11A, Prince Anwarshah Rd, Tollygunj, Cal Office —11, Clive Row, Calcutta
Model Soap Co, 55-8, Canning Str, Calcutta
National Industries India Co, 76, Raja Dinendra Street, Calcutta.
National Soap & Chemical Works, Ltd, 7, Swallow Lane Calcutta, Factory —Prince Anwarshah Road, Tollygunge Calcutta
National Soap Factory, Pagla danga, Entally, Calcutta
New Oriental Soap Works, 8 33, Manicktala Main Rd, Calcutta.
North West Soap Co Ltd, 63, Garden Reach, Calcutta
Parijit Soap Works, 31 Keora puker Road, Tollygunge Cal cutta
Pioneer Soap Factory, 242-2, Upper Circular Rd, Calcutta
R D Bijavabargiya & Co, 55, Sikdarpara St, Calcutta
Salim Soap Company 40 2, Can ning St, Calcutta
Sen Bros, 65, Bandel Rd Cal
Sisir Soap Factory, 1, Jessore Road, Calcutta
Standard Soap Works, 10 1, Bipradas St Calcutta

CENTRAL PROVINCES.

C P Bright Soap Co, Nagpur
Jinal Soap Factory, Katni, Jubbulpore
Laxmi Oil Mill Co, Akola
Narmada Soap Factory, New Shukerwari, Nagpur
Sudarshan Soap Factory, Harda.

DELHI.

Ajmere Soap Works, Khari Badi, Delhi
Bharatya Soap Works, 15, Bara-Khamba Road, Delhi
Boota Soap Works, Chandni Chowk, Delhi
Hariana Soap Factory, Chandni Chowk, Delhi
N M. Soap Co, Nai Sarak, Delhi
Original Shaving Soap Works, Karol Bagh, Delhi
Railway Soap Works, Sadar Bazar, Delhi
Saighal Soap Works, Hanuman Road, Delhi.
Sharma Soap Works Sarai Ban gash, Delhi
Shiam Lall Soap Factory, Chandni Chowk, Delhi
Star Industrial Factory, Chhota Dauba, Delhi (Soaps, hair oils, patent medicines, ayurvedic medicines)
Universal Soap Co, Sudder Bazar, Delhi
Woodland Soap Works, Sadar Bazar, Delhi

INDIAN STATES.

Bangalore Soap & Candle Works, Nagarthapet, Bangalore City
Cawasjee Oil & Soap Factory Gwalior
Cochin Soap Works, Irinjalakuda, Cochin State
Govt Soap Factory, Bangalore
Gujrat Soap & Industrial Works Ltd, Baroda
Gwalior Oil & Soap Co Ltd, Lashkar Gwalior
Hindu Soap Factory, Basavan gudi P O, Bangalore
Imperial Soap Factory, Mattan cherry Cochin
Kerala Soap Factory, Chickpet, Bangalore City
Lakshmi Soap Factory, Old Tha ragupet, Bangalore
Manav Soap Factory, Narasinha raj Road, Bangalore City
Meera Kutty Mather Kaka & Sons, Central Road Muvatu puzha, Travancore
Rising Soap Works, Hyderabad
Sadananda Ayurvedic Soap Works, Sadanandapuram, Kottarakara, Travancore, S I Ry.
Secunderabad Soap Factory 2423, Secunderabad, Deccan
Seth Dalpatram & Co, Ranjit Rd, Jamnagar, Kathiawar
Sri Rama Rice & Flour Mills, Birur, Mysore Province
Travancore Soap Works, Chalai Trivandrum, Travancore
Victoria Soap Company, Bhadra, Ahmedabad, Br —Bhavnagar
Vishnu Industrial Works, Vishnu Nivas, Ladwada, Baroda
Yashwant Soap Company, Bhadra, Ahmedabad, Br —Bhavnagar

High Class and College Students are your best customers.
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KARACHI.

Anglo-Siam Corporation Ltd, Karachi
Gorgeous Soap & Chemical Works, Opp Lea Market, Karachi
Hind Soap Factory, Toddy Garden, Lawrence Rd Karachi
Mahta Soap Mnfg Co, Old Market, Karachi
Ram Soap & Chemical Works, Thanwer Str, Kharadhar Karachi.
Tulsidas Bhawanamal & Co., Max Denso Hall, Bunder Road, Karachi (Washing Soap)

LAHORE.

Arvin Soap Co, Lahore
Lahore Soap Works, Lahore
Punjab Soap Works, Gowalmandi, Mulkhi Ram Rd, Lahore
Union Soap Co, Outside Shahlmi Gate, Lahore

MADRAS CITY.

Adam Haice Hahomed Sait, 7, Bunder St, G T Madras
Bharath Soap Factory 3 4 Baker St, Madras
D N Thacker & Co, 213, Resappa Chetty St, Madras.
Mohan Bros, Bazar Road, Saidapet, Madras
Ruby Works 70, Pycrofts Rd, Triplicane, Madras (Dye Soap).
Sakuntala Soap Works, Saidapet, Madras

MADRAS PRESIDENCY

Bangalore Metal & Soap Mart, Krishna Buildings, Mangalore
Calicut Soap & Candle Co, Ltd, Calicut, Malabar.
Cari Industrial Co. Chodavaram, Dt Vizagapatam
Kamala Nehru Soap Works, Erode
Karnatak Chemical & Pharmaceutical Works, Ltd, Udipi (S K)
Kerala Soap Institute, Calicut.
Krishna Soap Works, Negapatam.
Laxmi Soap Works, "Sivakami Nivas," Pathur, Trichinopoly
Lily Soap Works, Negapatam.
Malabar Sakti Oushadhalaya, Robinson Road, Calicut
Motor Soap, Fort, Erode
Motilal Soap Works Bazar, Erode
Pushpokanti Soap Works Calicut, Malabar
S V & Co, Adoni Bellary
V K & Son, Madura
Vegetable Soap Works, Calicut, Malabar Coast, 247-A, China bazar Rd, G T, Madras

MERWARA.

Manohar Soap Factory, Bijaigar Ajmer
Rajasthan Industrial Works, Naya Bazar, Ajmer

PUNJAB

Bishan Dass, Samloti, Kangra
Ch Tirath Ram Isher Dass, Sargodha
Des Raj Gupta & Brothers, Gopal Dass Road Moga Punjab
Fnad Brothers, Amritsar
Gulshan Soap Co Ludhiana
Indian National Soap & Oil Factory Dhab Vasti Ram, Amritsar
Malik Ladha Ram Nand Lall, Sargodha
Multan Soap Factory, Multan
Narain Datta, Kangra
Pioneer Industrial Works, Sudder-Bazar Ambala Cantt
Popli's Soap Factory, Bhalwal.
Sansar Soap Factory, Ambala
Vishnu Soap Co, Old Mistri Bazar Amritsar

USE ALWAYS

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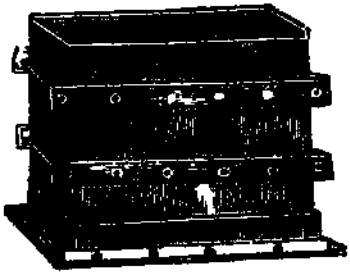

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Hukamchand & Sons, Rawalpindi
Jagdish Mitra & Co, Rawalpindi
Khwaja Stationery Mart, Khwaja Bldg, Khwaja Rd, Ludhiana
Mehra & Co, Mall Rd, Simla
Milkhi Shah & Sons, Sialkot City
Noor Mohammad Manzoor Mohammad, Opposite Tehsil, Ludhiana (Also Order Suppliers)
Piyare Lal Bros, Inside Hall Gate, Amritsar
Punjab Stationery Mart, Durga Charan Road, Ambala Cantt
Rama & Co, Mall Rd, Simla
S A Das, & Sons, Kasauli Hills, Ambala Dt
Sant Singh Suri & Co, Rawalpindi

RANGOON.

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Royal Stationery & Supply Co, 408-410, Dalhousie St, Rangoon
Victoria Stationery Co, 466-468, Dalhousie Street, Rangoon

SIKKIM.

Khan Brothers, P O Gangtok Sikkim

SIND

Azad Ink Factory, (Oriental Works), Laung Bazar, Hyderabad, Sind
Bosharam & Sons, Rutom P O Shikarpur, Sind

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Bholanath & Co, 30, Aminabad Park Lucknow
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Gangarani Jogabhatt & Son School Bazar Almora
Hargang Stationery Mart, 21 Lala Ka Bazar, Meerut
Harsaran Dass & Sons, Lala Ka Bazar, Meerut
J P Nigam Bros, Sayaji Gate Jhansi
Mirza Brothers, Askerganj, Gorakhpur
Mohd Rafi Mohd Hanif, Meston Road, Cawnpore
Oudh Stationery Mart, La Touche Road Lucknow
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Ram Charan Agarwal, 39, Aminabad Park Lucknow
S Capoor & Sons Civil Lines Cawnpore
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BENGAL.

Indian Steel Trunk Manufacturing Co, Murshidabad
Swadeshi Steel Trunk & Iron Safe Manufacturing Co, Jiaganj Murshidabad

BIHAR

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Benode Behari Bysack & Co, 70 & 11, Old China Bazar Str., Cal.

Bijaya Factory (Cal.) Ltd., 48, Harrison Road, Calcutta.

Bysack Factory, 3, Brajadulal St, Calcutta.

Calcutta Stores Ltd, 90 5A, Harrison Road, Calcutta.

E. B. Steel Trunk Co., 279, & 280, Upper Chitpore Rd., Calcutta

Indian National Agency, 64, Harrison Road, Calcutta.

Indian National Stores, 58/1, Harrison Road, Calcutta

J. Chowdhury & Co., 14, Old China Bazar Str., Calcutta.

Jagadhatri Factory, 180, Kalighat Rd., Calcutta.

M. Hussein & Co., 10, Old China Bazar Str., Calcutta.

Meharkali Bhandar, 70, Harrison Road, Cal.

Nabin Bhandar, 49A, Harrison Road, Cal.

Nandy Stores, 156, Old China Bazar Str., Calcutta.

National Stores, 48, Harrison Rd., Calcutta.

National Trunk Mfg., Co., 12, Old China Bazar Str., Calcutta.

Raj Factory, 74, Harrison Road, Calcutta.

Ram Krishna Factory, 10, Madan Boral Lane, Calcutta.

Shreechand Surana, 71, Old China Bazar Str., Calcutta.

Siddhanta & Co., Ltd., 90-3A, Harrison Road, Cal.

Swaraj Bhandar, 47/1, Harrison Road, Calcutta.

S R. Brothers & Co., 90-6A, Harrison Road, Calcutta.

Soobal Factory, 9-1, Prosanna Kumar Tagore St., Calcutta.

INDIAN STATES.

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Mysore Metal Industries Ltd, Bangalore

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ORISSA.

Star Factory, Nayasarak, Cuttack. (Also Suit Cases, etc.).

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Bissendyal Davaram, 4 Lyons Range, Calcutta
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Hamed Hajr Umer & Co, 2 Royal Exchange Place, Calcutta
Harilal N Shukla, 7, Lyons Range, Calcutta
Indian Investment Trust Ltd, 2, Royal Exchange Place, Cal
Investor's Syndicate, 14, Clive St, Calcutta
Investor's Guide, 2, Royal Exchange Place, Calcutta Br — Bombay, Dacca & Comilla
Iswardas Beniprasad, 22/1, Madan Chatterjee Lane, Calcutta
J Sarkar & Co, 23, Strand Road Calcutta
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Mitters & Co, 2, Royal Exchange Place, Calcutta
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Nundy & Co, 7, Lyons Range, Calcutta
Place Siddons & Gough, 6, Lyons Range, Calcutta
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Sham Lall Laha & Co, 7, Lyons Range, Calcutta
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Bapat Bros, Shastri Hall, Bombay 7
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Monohar Chakraverty, 55 Chatterjee Para Lane, Howrah
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Perumall Naidu, K Palayam, Arni N Arcot
Reliable Engineering Co, 98/1, Clive St, Calcutta
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Setabganj Sugar Mills, Setabganj, Dinajpur M/A Soorajmull Nagarmull, 61, Harrison Rd, Cal
United Sugar Mills Ltd, 8, Patuatuly Street, Dacca

BIHAR.

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Bharat Sugar Mills Ltd Sidhwalia, Saran M/A Birla Bros Ltd, 8, Royal Exchange Place Calcutta
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Roheas Sugars Ltd, Dehri-on-Sone, Sahabad M/A Iman Jardaval & Co (Dinapore), Patna
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Md. Farooq Sugar Mills, Campirgunj, Gorakhpur.

Modi Sugar Mills Ltd., Begamabad, Meerut, M./A. Multanimul & Sons, Patiala.

Nawabganj Sugar Factory, Nawabganj, Gonda, Dr. Gocul Chand Narang, 5, Montgomery Road, Lahore.

Noori Sugar Works, Bhatni, Gorakhpur, Prop., Noor Main & Co., Sewan.

Oudh Sugar Mills, Hargaon, Sitapur. Birla Bros. Ltd., Jehangir Wadia Building, Esplanade Rd., Bombay.

Padrauna Raj Krishna Sugar Works, Padrauna, Gorakhpur Prop., Raja Shaheb of Padrauna.

Pipraich Sugar Mills Ltd., Pipraich, Gorakhpur. Prop., Mian Jawad Ali Shah, Mian Bazar, Gorakhpur.

Popular Sugar Co., Ltd., Ramdatganj, Basti. M./A. Seth Nadhan Singh & Sons, Gujranwala, Punjab.

Prag Sugar Factory, Kiccha, Nainital.

Punjab Sugar Mills Co., Ltd., Ghugli, Gorakhpur. H. O. 5, Montgomery Road, Lahore.

Ramkola Sugar Factory, Ramkola, Gorakhpur. H. O. Nawashahr, Via. Abbottabad.

Ratna Sugar Mills Co. Ltd., Shahganj, Jaunpur. M./A. Kashi Prosad & Co., 107, Streatt Field Road, Benares.

Raza Sugar Factory, Roshanbag, Rampur. M./A. Govan Bros., Ltd., 10, Alipore Rd., Delhi.

Rosa Sugar Works & Distillery, Rosa, Shahjahanpur. M./A Lyall Marshall & Co., 5, Council House Street, Calcutta.

Saraswati Sugar Syndicate, P. O Saran, Etah. M./A. Neoli Syndicate, Alfred Bldg., Lahore.

Saraya Sugar Factory, Sardarnagar, Gorakhpur. Prop., Sardar Bahadur Sir Sunder Singh Majithia, Sardarnagar, Gorakhpur

Seksaria Sugar Mills Ltd., Seksaria, Basti. M./A. Govindram Ramnath & Co., 18, Mullick Street, Calcutta.

Seth Gulzarimull Jaswatrai Sugar Mill, Jarwal Road, Bahraich Ramchand & Lala Jaswantrai & Sons

Shankar Sugar Mills Ltd., Captainganj, Gorakhpur.

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Shree Krishna Deshi Sugar Works, Jushi, Allahabad, Kishorilal Mukundlal, Jushi, Allahabad

Shree Sitaram Sugar Co, Ltd., Baitalpur, Gorakhpur M./A. Karamchand Thapper & Bros, 5, Royal Exchange Place, Calcutta

Simbhaoli Sugar Factory, Simbhaoli, E I Ry Prop, Sardar Raghubir Singh, Sandhanmalia, Baksar, Meerut

Shiromani Sugar Mills Ltd, Khalilabad, Gorakhpur, Hd Office Banda (U P)

Tribeni Deshi Sugar Works, Naini, Allahabad Prop., Lala Kanhiya Lal, Naini Allahabad

Unao Sugar Mills Ltd, Unao Srikrishnadas Jagannath Prosad

Union India Sugar Mills Ltd Nawabganj, Cawnpore, Kamlapat Motilal Coopergant, Cawnpore

United Provinces Sugar Co, Ltd., Bubnowlie Gorakhpur M/A. James Finlay & Co., Ltd, 1, Clive Street, Calcutta

U P Co-operative Sugar Factory, Biswan, Sitapur

Upper Doab Sugar Mills Ltd, Shamli, Muzaffarpur M/A. Hariraj Swarup & Rajendra Lal & Bros, Muzaffarnagar

Upper Ganges Sugar Mills, Seohara, Bijnor M/A Birla Bros Ltd, 8 Royal Exchange Place, Calcutta

Upper India Sugar Mills Ltd, Khatauli, Muzaffarnagar

Upper Jumna Swadeshi Sugar Mills Ltd, Mansurpur, Mazaffarnagar M/A Lala Hariraj Swarup Rajendra Lal & Bros, Muzaffarnagar

Vishnuprotap Sugar Works Ltd, Khadda, Gorakhpur M/A Rai Bahadur Jagdish Narayan Singh Padrauna Gorakhpur

SUNDRY GOODS DEALERS.

BENGAL.

Adhar Chandra Paul, Jitpur Murshidabad (Sankha Cuttings)

Bishnupada Paul, Jitpur, Murshidabad (Sankha Cuttings)

Charu Charan Dutt, Rajpur, Sonarpur, 24-Pargs (Stone Importer)

Jagat Chandra Paul, Jitpur, Murshidabad (Sankha Cuttings)

Madhusudan Dass, Nator, Rajshahi (Sweetmeat)

Tarak Chandra Paul, Nator, Rajshahi (Sweetmeat)

BIHAR.

Cotton Industries Institute, Patna

Patna Confectionery Works, Gudri Bazar, Patna City. (Boiled Sweets & Lozenges etc.)

Patna Trading Co., Moradpore, Patna

BOMBAY CITY.

Dayton Price Co Ltd, Post Box No. 773, Bombay.

H D Nariman Bros, Nariman House, 269, Mohar Street, West, Dhobi Talao, Bombay (Norman Cloth Stamping Paste)

Honesty & Co, Parshuram Mansions, Girgaon Bombay

Jalal Mattresses & Pillows Manufacturing Co, B Anjirwadi, Mount Road Mazagaon Bombay

Nassur Hajee Mowjee & Co, Nassur Building Mahomedali Road, Bombay

P D Singh & Co Warwick House, Fort St Bombay

S Rose & Co Ltd Fort Bombay

Sorabji Nowrau & Co 373, Hornby Road, Fort, Bombay Br — Singapore

BOMBAY PRESIDENCY.

All-India Swadeshi Industries & Mnfr Works Hanamkonda, Deccan (Also Abrasive Stick)

Deccan Industrial Union, Karad, Satara (Folding Spring Cots)

Maharashtra Swadeshi Stores, Budhawar Peth, Poona City

Sale Depot Industrial Machinery & Agriculture Products, 127, Gazipara, Gulbarga Deccan

BURMA.

Hock Seng Chom & Co, Taungdwingyi, U Burma

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Sehmbey Glass Paper Works, Gyagon, Insein, Burma

CALCUTTA.

Ghosh & Son, 62/7, Mirzapur St. Calcutta.

Golam Mostafa & Bros, 163, Dharamtola St, Calcutta

Karuna Industries, 2, South End Park, Calcutta. (Toilet & Confectionery)

DELHI.

Capital Industries, Ltd, Serai Rohilla, Delhi.

L Raj Narain Khanna & Co, Chandni Chowk, Delhi

INDIAN STATES.

Khuda Bux Khan, near Post Office, Bharatpur (Lac Bangles)

Rajputana Stamp Co, Jaipur City, Rajputana (Used Stamp)

KARACHI.

Anthony Coutinho & Co, Clarke Street, Karachi

Framjee Sorabjee & Son, Frere Str, Camp, Karachi. (High Class Mineral Water Mftrs)

L S Balchandani & Co, Rambagh Garikatta, Karachi

P V Bros, Opp Picture House, Bunder Rd, Karachi.

LAHORE.

China House, Dabbi Bazar, Lahore (Lampware, crockery, etc)

MADRAS CITY.

Madura Swadeshi Co Ltd, Manikatty Mandapam, West Tower Str, Madras

Rahman & Co, 2, Shaik Maistry St, Royapuram, Madras

MADRAS PRESIDENCY.

Rose & Co, Post Box No 30, Coconada, Godavary. (Also Hand-made Crochet Articles).

Sh Palani Nadar, Arupukottai, Ramnad, (Sandalwood)

T D David & Sons, West Tower St, Madura.

PUNJAB.

All-India Magical House, 16 Ludhiana

Frontier Tin & Iron Works, Jullunder Cantt, Punjab

G M Malik & Co, Jullundur City

Hamid & Co, Katra Bhai Sant Singh, Amritsar

Imperial Rat Trap Co, Rawalpindi

London Commercial Corporation, Katra Jaimal Singh, Amritsar (Tags, Emerypaper, glasspaper)

Malick Bros, & Co, Saidan Gate, Jullundur City (Coat Hangers)

Sethi Brothers, Hira Mandi, Ferozepur City (Cottage Industries & Chemical Works)

RANGOON.

Oriental Chemical Diamond Co 220, Mogul Str Rangoon

UNITED PROVINCES.

Bharat Swadeshi Parcharak, Pura Fyzabad

Delara & Co, Swami Shraddhanand Park Cawnpore

Modern Mercantile House, Valli Bazar, Meerut

S M Abid 45, Aminabad Park Lucknow

Sangathan Trust Ltd, Chundganj, Kalun, Lucknow

Sarafraz Hussain & Sons, Sarafraz Bldg, Aminabad, Lucknow

SURGICAL DRESSINGS.

Bengal Chemical & Pharmaceutical Works, Ltd, 31, Chittaranjan Avenue, Calcutta

Bengal Stores Ltd, 8-A, Chowringhee Place, Calcutta M/A. Birla Bros. Ltd

Bose & Bose, 12, Guhi Ostagar Lane, Calcutta

Kesoram Cotton Mills, 42, Garden Reach Rd, Calcutta

Lister Antiseptics & Dressings (1928) Co, Ltd, Uma Kanta Sen Lane, P O Cossipur, Calcutta

Sri Krishnarajendra Mills Ltd Bangalore Road, Mysore

Union Drug Co, 86, Clive Str Calcutta

SURGICAL INSTRUMENT DEALERS.

BOMBAY CITY.

Powell's Surgical Works, Lamington Road, Bombay

E Fyer & Co, Byculla, Bombay

CALCUTTA

B K Paul & Co., Ltd, 1 & 3 Bonfield's Lane, Calcutta

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Bengal & Overseas Trading Co., 84-A, Clive St., Room No. D-4, Calcutta.
Chemical & Surgical Works Ltd, 16, Chittaranjan Avenue South, Calcutta.
Ganguly Bros. & Co, 16, Bonfield Lane, Calcutta. Props:—Hemanta K Ganguly and Shib Das Chatterjee.
H. Mukherji & Co., 39/1, College Street, Cal.
K R. Lynch, 16, Chittaranjan Avenue, Calcutta.
Surgical Instrument Co., Ashutosh Bldgs., College Square, Cal.
T. C. Nundon & Sons, 46-B, Kansaripara Rd., Calcutta.

DELHI.

C. R. Jayna & Co., Chandni Chowk, Delhi. (Dental).

MADRAS CITY.

R. Machure, 292-A, Waller's Road, Mount Rd., Madras.

PUNJAB.

A F. Ahmed & Co., Sialkot.
Allibhoy Vallijee & Sons, Alvi Works, Multan Cantt.
Victor Crane & Co, Sialkot.

UNITED PROVINCES.

M. Attaullah, Sipad Bazar, Meerut.
Stario Surgical Co., Sialkot City.

TANNERIES.

BENGAL.

Corbet Leather Works & Boot Factory, Corbetganj, Saidpur, Rangpur

BOMBAY PRESIDENCY.

Ahmedabad Chrome Tanning Co, Peermahomedshah Road, Ahmedabad.
Nadiad Leather Factory, Nadiad, B. B. & C. I. Rly.
Navsari Leather Works, Navsari, Surat.
Pai's Fancy Leather Works, Baswangalli, Shahapur, Belgaum

CALCUTTA.

Bengal Tannery Co., 17, Gora Chand Rd., Entally, Calcutta.
Indian Tanneries Ltd., 5, Hide Road, Kidderpore, Calcutta.
National Tannery Co. Ltd., Canal South Rd., Pagladanga, Cal.
Patna Tannery, 12, Paymental Garden Lane, Tangra, Calcutta.

INDIAN STATES.

Cochin Tanneries, Ltd., Chalakudi, Cochin.
Gwalior Leather Factory & Tannery, Morar, Gwalior.
Md. Mustaffa's Tannery, Kolar.
Mysore Tannery, 12, South Parade, Bangalore Cantt.
Nana Miah Leather Factory, Raichur, Hyderabad.

LAHORE.

Northern India Tanneries, Ltd, P. O. Shahdara Mills, Lahore.
Shahdara Tannery, Delhi Gate, Lahore.

MADRAS CITY.

Best & Co, Tannery, Kodambakam, Chingleput, Madras
Chrome Leather Co., Chromepet, Madras. Br: Calcutta, Bombay, Agra, Rangoon and Colombo.
G. Abdul Azeez Sahib & Co., 20, Sydenhams Road, Madras.
Gordon Woodroffe Leather Mfg. Co, Issa, Pallavaram, Chingleput, Madras.
Hajee Malang Abdul Rahman Sahib & Co's Tannery, Pallavaram, Chingleput, Madras.
Hajee Md. Omer Sahib & Hajee Abdul Karim Sahib Tanneries, Meenambakam, Chingleput Madras.
K. H. Abdul Khadir Sahib & Co., 19, Sydenham's Rd., Madras.

MADRAS PRESIDENCY.

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K. S. Abdul Kader Rowther, Palakarai, Trichinopoly.
M. Kasiyappa Rowther & Sons, Palakarai, Trichinopoly.
Mahomed Mean Rowther, N. Tannery, Chembat, Trichinopoly.
Roshan & Co., Palakarai, Trichinopoly.
S. S. Shaik Abdul Kader & Bros., Palakarai, Trichinopoly.

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RAY'S INDUSTRIES, 14-1, Old Chinabazar Street, Calcutta.

Sheikh Adam Sahib's Tannery, Kil Kotagiri, Nilgiris.
V. S. Mohamed Ibrahim, Palakarai, Trichinopoly.

ORISSA.

Swadeshi Tannery Co., P. O. Chauliaganj, Cuttack.

PUNJAB.

Punjab Chrome Tannery, Grand Trunk Rd., Lahore.
Punjab Govt. Tannery, Wazirabad, Gujranwala.

UNITED PROVINCES.

Cawnpore Tannery, Bhananapurwa, Cawnpore.
Cooper Allen & Co., The North West Tannery Co., Beconganj, Cawnpore.
Cooper Allen & Co., The North West Tannery Co., Cawnpore.
Indian National Tannery, Jaimow, Cawnpore.
Noronha Model Tannery, Nawabganj, Cawnpore.
Punjab Tannery Co., Cawnpore.
W. B. Shewan & Co., Jaimow, Cawnpore.

TAPES, WICKS, ETC., DEALERS.

Adverto Tape Industries, 95, Clive Street, Calcutta.
Bengal Industries, 15, Clive Str., Calcutta. (Advertising Tape).
Bhagwan Das & Sons, 43, Clive Street, Calcutta.
Calcutta Advertising Tape Co., 1, Sarkar Bye Lane, Calcutta.
Calcutta Rope Manufacturing Co., 3-10, Gouribari Lane, Calcutta.
Deen Mohamed Md. Musa & Bros., 43, Clive Street, Calcutta.
Cawnpore Lace Works Ltd., 105/716, Kalpi Road, Cawnpore. (Shoe laces).
G. D. Banerjee & Co., 51 & 52, Benares Road, Howrah.
Hafez Abdul Hakim & Dhonai Mullick, 43, Clive Street, Calcutta. (Tape & Wick).
Karim Bux & Elahi Bux Bros., 58-4, Canning St., Cal. (Braid)
National Tape Mfg. Co., Muland, near Bombay.
Western India Co., Wakefield House, Ballard Estate, Fort, Bombay. (Shoe Lace).

TAXIDERMISTS.

B. P. Roy, 210-3-2, Cornwallis St., Calcutta.
Babbun & Co., Baconganj, Cawnpore.
Calcutta Armoury Co., 1, Chowringhee Road, Calcutta.
Cawnpore Leather Industries, (Regd.), Cawnpore.
Cathbertson & Harper, 10, Govt. Place East, Calcutta.
K. C. Biswas & Co., 1, Chowringhee Road, Calcutta.
Leather Experts Union, 21-1, Creek Row, Calcutta.
Manton & Co., 13, Old Court House Street, Calcutta.
Premlal Shah, Gangola, Almora.
Prova Commercial House, The Mall, Cawnpore.
Reliable Leather Works, 140, Corporation St., Calcutta
Sirkar Bros., 136, Ashutosh Mukerjee Road, Calcutta.
T. C. Biswas & Co., 43, Dharamtola St., Calcutta.
Taxidermy Co., Katni, C. P.
Van Ingen & Van Ingen, Mysore

TEA ESTATES.

ASSAM.

Aenakhall Tea Estate Factory, Monacherra, Cachar.
Allynugger Tea Estate Factory, Shamshernugger, Sylhet.
Amluckie Tea Estate, Factory, Salona, Nowgong.
Amo Tea Estate Factory, Chandpurbagan, Sylhet.
Attabarie Tea Estate Factory, Rajmai, Sibsagar.
Badulipar Tea Co. Ltd., Badulipar Tea Estate, P. O. Badlipar, (Assam).
Baghmari Tea Estate Factory, Charali, Darrang.
Balijan Tea Estate Factory, Hoogrijan, Lakhimpur.

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Ballacheria Tea Estate Factory, Barkola, Cachar
Bamon Pookri Tea Estate Factory, Nazira, Sibsagar
Bargang Tea Estate Factory, Berah, Borganj, Darrang
Bargara Tea Estate Factory, Kharupatia Ghat, Darrang
Baro Jalingah Tea Estate Factory, Dwarband, Cachar
Basmatia Tea Estate Factory, Dikom, Lakhimpur
Bateh Tea Estate Factory, Mazbat, Darrang
Beheating Tea Estate Factory, Dibrugarh, Assam
Behora Tea Estate Factory Numaligarh Sibsagar
Betjan Tea Estate Factory, Makum, Lakhimpur
Bhaman Tea Estate Factory, Khowang, Lakhimpur
Bhootea Chaung Tea Estate Factory, Panerihat Darrang
Bluebright Tea Estate Factory Pathurkhandi, Sylhet
Bidyanagar Tea Estate Factory Dull cherra Sylhet
Bogapani Tea Estate Factory Digboi, Lakhimpur
Bishnabi Tea Estate, Selenghat, Sibsagar
Bokakhat Tea Estate Factory, Bokakhat, Sibsagar
Bokpara Tea Estate Factory, Doom Dooma Lakhimpur
Borah Tea Estate Factory, Sonari Sibsagar
Borban Tea Estate Factory Sonary, Lakhimpur
Borbam Tea Estate Factory, Amgoorie, Sibsagar
Borbari Tea Estate Factory, Borbari, Lakhimpore
Borbheel Tea Estate Factory, Behali, Darrang
Borborooah Tea Estate Factory, Pathalipam, Lakhimpur
Bordubi Tea Estate Factory, Doom Dooma, Lakhimpur
Borghat Tea Estate Factory, Salona, Nowgong
Borholla Tea Estate Factory, Baruagaon, Sibsagar
Borol Tea Estate Factory, Halem, Darrang
Borkatonee Tea Estate Factory, Moheema, Sibsagar
Carramore Tea Estate Factory, Hatigarh, Darrang
Chabua Tea Estate Factory, Chabua, Lakhimpur
Chapar Tea Estate, P O Chapar, T O Bilasipara, Goalpara, Assam
Champarai Tea Estate Factory, Adamparai, Sylhet
Chandpore Tea Estate Factory, Chandporebagan, Sylhet
Chargola Tea Factory, Ratabari, Sylhet
Chatlapore Tea Estate Factory, Shamshernugger, Sylhet
Cherideo Tea Estate Factory, Chandporebagan, Sylhet
Cherideo Tea Estate Factory, Nazira, Sibsagar
Chincoorie Tea Estate Factory, Silchar, Cachar
Chingoor Tea Estate Factory, Bannakandi Cachar
Chokidinghi Tea Estate Factory, Rehabari, Lakhimpur
Cinnamara Tea Estate Factory, West Jorhat, Sibsagar
Clevedon Tea Estate Factory, Kulaura, Sylhet.
Dafflaghur Tea Estate Factory, Halem, Darrang
Daimukhia Tea Estate Factory, Mariani, Sibsagar
Daldo Tea Estate Factory, Kukricherra Cachar
Dalhousie Tea Estate Factory, Nyagogra Division, Gohpur, Darrang
Daragaon Tea Estate Factory, Rasidpur, Sylhet
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Deamoohe Tea Estate Factory, Doom Dooma, Lakhimpur
Deanston Tea Estate Factory, Kajuricherra, Sylhet
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Dhanseri Tea Estate Factory, Mazbat, Kumrup.
Dhelakhat Tea Estate Factory, Tinsukia, Lakhimpur.
Dhendai Tea Estate Factory, Borjuli, Darrang.
Dhoedam Tea Estate Factory, Barrhoopjan, Lakhimpur.
Dholla Tea Estate Factory, Saikwaghat, Sadiaya. Frontier Tract.
Dhulapadang Tea Estate Factory, Panerihat, Darrang.
Diffloo Tea Estate Factory, Golaghat Sub Division.
Digulturrung Tea Estate Factory, Doom Dooma, Lakhimpur.
Dikom Tea Estate Factory, Dikom, Lakhimpur.
Dikorai Tea Estate Factory, Dimakusi, Darrang.
Dilli Tea Estate Factory, Namrup, Lakhimpur.
Dimakushi Tea Estate, Dimakushi, Darrang.
Dinjan Tea Estate Factory, Rangagora, Lakhimpur
Doloi Tea Co.'s Factory, Adampur, Sylhet.
Doolahat Tea Estate Factory, North Lakhimpur.
Dooloogram Tea Estate Factory, Udarband, Cachar.
Doopani Tea Estate Factory, Tiphook, Sibsagar.
Doyang Tea Estate Factory Oating, Sibsagar
Duffating Tea Estate Factory Titabar, Sibsagar.
Gelaky Tea Estate Factory, Gelaky, Sibsagar.
Ghazipore Tea Estate Factory, Kulaura, Sylhet.
Ghoirallie Tea Estate Factory, Borjuli, Darrang.
Gingia Tea Estate Factory, Mijikajan, Darrang.
Goombira Tea Estate Factory, Oliviacherra, Sylhet.
Gorramore Tea Estate, Hattirgor, Darrang.
Gotoonga Tea Estate Factory, Baranagore, Sibsagar.
Greenwood Tea Estate Factory, Dibrugarh, Lakhimpur.
Hakonguri Tea Estate Factory, Barahapjan, Lakhimpur.
Haleem Tea Estate Factory, Halem, Darrang.
Harchura Tea Estate Factory, Balipara, Darrang.
Hathikuli Tea Estate Factory, Chandkhara, Sylhet.
Hattigor Tea Estate, Hattighor, Assam.
Hingageo Tea Estate Factory, Kajaldhara, Sylhet.
Hoogrijan Tea Estate Factory, Hoogrijan, Lakhimpur.
Horoocharai Tea Estate Factory, Jorhat, Sibsagar.
Hukanpukri Tea Estate Factory, Doom Dooma, Lakhimpur.
Hulwating Tea Estate Factory, Amgoorie, Sibsagar
Isa Bheel Tea Co, Ltd., Isa Bheel T. E, P. O, Hatikhira, Sylhet.
Itakhooli Tea Estate Factory, Tinsukia, Lakhimpur.
Jagcherra Tea Estate Factory, Kajuricherra, Sylhet
Jamirah Tea Estate Factory, Dibrugarh.
Joyhin Tea Estate Factory, Lakhimpur North, Assam
Kadimnagar Tea Estate Factory, Kadimnagar, Sylhet
Kakajan Tea Estate Factory Nakachari, Sibsagar.
Kalacherra Tea Estate Factory Jaffirband, Cachar.
Kalony Tea Estate Factory, Thakurbari, Darrang.
Katalguri Tea Estate Factory, Maram, Sibsagar
Kelleyden Tea Estate Factory, Misa, Nowgong.
Kettela Tea Estate Factory Behli, Borgani, Assam.
Keyhung Tea Estate Factory Hoogrijan, Lakhimpur.
Kharikuttia Tea Estate Factory, Kharikutia, Sibsagar.
Kharjan Tea Estate Factory, Panitola, Lakhimpur.
Khongea Tea Estate Factory, Rajmai, Sibsagar.

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Khowang Tea Estate Factory, Khowang, Lakhimpur
Koomsong Tea Estate Factory, Doom Dooma, Lakhimpur.
Kupajuli Tea Estate Factory, Thakurbari, Darrang
Kurmah Tea Estate Factory, Adampore, Sylhet
Lahorijan Tea Estate, Dimapur, P O & T O, Sibsagar Dt Assam
Lakhipur Tea Estate Factory, Cachar, Assam
Lakhimpan Tea Estate Factory, Nazira, Sibsagar
Lallacherra Tea Estate Factory, Vernerpur, Cachar
Lallamookh Tea Estate Factory, Lala P O, Cachar
Langai Tea Estate Factory, Chandkhira Sylhet
Lengrai Tea Estate Factory, Chabua, Lakhimpur
Lepetkatta Tea Estate Factory, Borborua, Lakhimpur
Lohorijan Tea Estate Factory, Dimapur, Sibsagar
Longsoal Tea Estate Factory, Barahapan, Lakhimpur
Loongsoong Tea Estate Factory, Chapanalla, Nowgong.
Luckwah Tea Estate Factory, Luckwah, Sibsagar.
Lungla Tea Company's Etah Division Factory, Karimpur, Sylhet
Lungla Tea Estate Factory Lungla Sylhet
Laskerpur Tea Estate Factory, Chandyparabgar, Sylhet
Mackeypore Tea Estate Factory, Nazira, Sibsagar
Madhabpore Tea Estate Factory, Adampore, Sylhet
Mahan Tea Estate Factory, Dibrugarh, Lakhimpur
Majuligarh Tea Estate Factory, Sootia, Darrang
Mampur Tea Estate Factory, Kukicherra, Cachar
Margherita Tea Estate Factory, Margherita, Lakhimpur
Mariani Tea Estate Factory Mariani, Sibsagar
Mazengah Tea Estate Factory, Nazira, Sibsagar
Meleng Tea Estate Factory, Meleng, Sibsagar
Messamara Tea Estate Factory, Badlipur, Sibsagar
Mijikajan Tea Estate Factory, Mijikajan, Darrang
Moheema Tea Estate Factory, Moheema, Sibsagar
Mohumbari Tea Estate Factory, Lahoal, Lakhimpur
Mokalbarie Tea Estate Factory, Dikom, Lakhimpur
Monabarie Tea Estate Factory, Mijikajan, Darrang
Monkhusi Tea Estate Factory, Hoogrijan, Lakhimpur.
Monmohinipur Tea Estate Factory, Dhekijuli, Darrang.
Morwai Tea Estate, Dingdinga, Goalpara
Mothola Tea Estate Factory, Dibrugarh, Lakhimpur
Murmuria Tea Estate Factory, Cinnamara, Sibsagar.
Muttrapore Tea Estate Factory, Suffry, Sibsagar
Naganjan Tea Estate Factory, Selenghatt, Sibsagar
Nahor Habi Tea Estate Factory, Lakwah, Sibsagar
Nahorjan Tea Estate Factory, Bokakhat, Sibsagar.
Nahorkutia Tea Estate Factory, Nahorkutia, Lakhimpur
Nahor Rani Tea Estate Factory, Thakurbari, Darrang
Nahortoli Tea Estate Factory, Dikom Lakhimpur
Namdang Tea Estate Factory, Margherita Lakhimpur
Naraincherra Tea Estate Factory, Naraincherra, Sylhet
Noghroy Tea Estate Factory, Tinsukia Lakhimpur.
North Bank Tea Estate Factory, Margherita, Lakhimpur
Nudwa Tea Estate Factory Dikom Lakhimpur.
Oottarbag Tea Estate Factory, Dinakusi, Darrang
Pabburan Tea Estate Factory Barahapjan, Lakhimpur
Pallarband Tea Estate Factory, Bankskandi, Cachar
Panitola Tea Estate, Factory, Panitola, Lakhimpur.

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Pathalipam Tea Estate Factory, Pathalipam, Lakhimpur.
Patrakola Tea Estate Factory, Adampore, Sylhet.
Pertabghur Tea Estate Factory, Sootea, Darrang
Phukanbari Tea Estate Factory Chabua, Lakhimpur
Phulbari Tea Estate Factory, Balipara, Darrang
Phulcherra Tea Estate Factory, Srimangal, Sylhet
Powai Tea Estate Factory Margherita, Lakhimpur
Raidang Tea Estate Factory Hoogrijan, Lakhimpur
Rajabarie Tea Estate Factory, Rajmai, Sibsagar.
Rajmai Tea Estate Factory, Rajmai, Sibsagar
Rangagote Tea Estate Factory, Badlipar, Sibsagar
Rasidpur Tea Estate Factory, Rasidpur, Sylhet
Rema Tea Estate Factory, Chandpurbagan Sylhet
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Brooke Bond & Co. Ltd., (India), Bunder Road, Karachi.
Tulsidas Narsidas & Co., 690, Napier Road, Karachi.
Tyabally Moosaji, Napier Road, Karachi.

MADRAS CITY.

Indian Tea Manufacturing Co., 15, Sembudass Street, Madras.
S. Viswanasham & Co., 44, Bunder St., Madras.

MADRAS PRESIDENCY.

Narsus Mfg. Co., Salem. (Coffee).
Oriental Tea Supply Co., Coimbatore.
P. Adinarayana & Sons, Bimlipatam, Vizagapatam.
Rahamania Tea Co., Court Str., Erode.
S. Govindarajaloo, Udamalpet, Coimbatore Dt
S. L. Nathia, St. Vincent's Grove, Mangalore, S. K. (Also Coffee).
Sankaran Tea Co., Virudhunagar, S. I.

N. W. F. PROVINCE.

Haji Abdul Rashid Savul & Co., Katra Masjid, Peshawar City.

PUNJAB.

Chandpur Tea Estate, Palampur, Kangra.
Health Brand Tea Co., (Regd.), Bahadurpur, Hoshiarpur.
Raja Singh, Kalyan Singh, Near Golden Temple, Amritsar.
S. S. Mela Singh & Son, Chowk Baba Atal, Amritsar.
Upper Kangra Tea Co., (Regtd.), Bahadurpur Bazar, Hoshiarpur

UNITED PROVINCES.

Berinag Tea Co., P.O. Berinag, Dt Almora.
Bhattacharjee & Bros., Daswasmedh Road, Benares City.
Doon Valley Rice & Tea Co., Viceroy Road, Dehra Dun.
L. Jagennath Mitterism, Aruth Bazar, Dehra Dun.
S T Agency, Thaterwara, Meerut
Sarminul Kaloomut, Dehra Dun.

TELEPHONE ACCESSORIES.

Chicago Telephone and Radio Co., 175, Hornby Rd., Bombay.
Ericsson Telephones Ltd., 21, Old Court House Street, Cal.
Hyderabad Engineering House, Hyderabad, (Deccan).
Indian Telegraph Association Ltd., 55, Free School St, Calcutta.
International Engineering Co 7/1C, Lindsay Str, Calcutta
Metropolitan Vickers Electrical Co Ltd., Hong Kong House, Cal
Standard Telephones & Cables, Ltd, C-2, Clive Building, Cal
Vidya Prasad Shukla & Bros., 78, Maidagin, Benares City.

TENT-SUPPLIERS.

Cawnpore Cotton Mills Co., Couperganj, Cawnpore.
Deno Bandhu Mukherjee & Co, 34/1, Ratu Sarkar Lane, Room No. 19, Calcutta.
Elgin Mills Co., Ltd., Cawnpore.
Ganga Prasad & Co., Khas Bazar, Cawnpore
H. Bevis & Co., P. O. Box No. 29, Cawnpore.
H. Chirag Din Mohd. Din & Sons, 146, Ravi Rd., Lahore.
Muir Mills Co., Ltd, Cawnpore.
Rooldoo Mohammad Din & Co, 10, Circular Road, Lahore.
Tent Supply Co., Fatehgarh, U P
Turnbull & Co., 2, Evening Bazar, Road, P.T, Madras.

TEXTILE MACHINERY DEALERS.

(Also see Machinery Merchants).

Britannia Engineering Co. Ltd., 28, Dalhousie Sqr., Calcutta.
C. Doctor & Co, 41A, Bruce Str., Fort, Bombay.
Continental Textile Stores Co., P.O. Box 770, Bombay, No. 1.
Douglas Fraser & Sons Ltd. 9 Clive Str., Calcutta. (Jute Textile Machinery).
Felber Jucker & Co., Ltd, 15 Bank Str., Bombay.
General Stores Supplying Co, 137, Canning Str., Calcutta.

MANUFACTURE TOBACCO, SNUFF, SURTI, ZARDA, etc., Read "Indian Tobacco & Its Preparations" Re. 1-8. Industry Book Dept. Cal.

H Nowrasjee & Co, 204, Bellasis Road, Bombay
H C Muellar & Co, Ltd, 24, Rampart Row, Bombay
Holt & Co, 11, Elphinstone Circle, Fort, Bombay

K C Biswas Co., Bharat Bhawan, Chittaranjan Ave, Calcutta.

Kooverji Devshi & Co, Lohar St, Bombay
Lloyds Engineering Works, 190, Bellios Road, Howrah

Morarjee Gokuldas Spg. & Wvg. Co., Ltd., Soparibaug Road, Parel, Bombay No. 12

Ormerods (India) Ltd, Bank of Baroda Bldgs, Apollo Street, Fort, Bombay
Popatlal Girdharlal & Co, 49, Apollo Str, Fort, Bombay or Mandvi Street, Ahmedabad
Phadke Textile & Industrial Works Ltd, Karad, Satara
Universal Textile Stores Co, Railwaypura, Ahmedabad
W D Brady & Co, Mercantile Bldgs, Lal Bazar St Calcutta

TILE MANUFACTURERS.

(See Bricks & Tiles Manufacturers)

TIMBER MERCHANTS.

ASSAM.

A K Roy, Fakiragram Goalpara, Assam
Assam Bengal Timber Depot, Gauhati (Also Furniture)
Assam Timber & Stores Ltd, Gauhati
Banerjee & Co, Gauhati
Hunatsingha Timber Ltd, Gauhati (Railway Sleeper Contractors)
Indradeo Singh Tipkai, Goalpara, Assam
Jitbahadur Suba, Tipkai Goalpara, Assam.
Kimakshya Timber Co Gauhati
Sagarmall Ramkissen, Rupshi, Goalpara, Assam

BENGAL.

Nursingh Dass Addy Chinsurah, Hooghly
Domar Timber Trading Co, Ltd, Domar.
D Mullick & Sons, Panchanantala Rd, Howrah
East India Timber Co, Timber Yard, Shalimar, Howrah
G C Dey & Co, Raja Bhat Khawa, Jalpaiguri
Government Timber Depot & Saw Mill, Siliguri, Darjeeling
Haranath Chakraburtty, Raja Bhat Khawa Damanpur, Jalpaiguri
Kamalbasini Debi Katwa Burdwan
M Roy, Raja Bhat Khawa, Jalpaiguri
Nityagopal Das, Mullickpur, Jaggernathpur Malda
Rajendra Lall Sett. Gudri Bazar, Cooch Behar
Sahadeo Singh Siliguri, Darjeeling.

BIHAR.

K K Bose, Manharpur, Singhbhum

BOMBAY CITY

Ahmed Oosman & Co, Osmania House, 19, Saboo Sidick Road, Bombay 1
Bombay Burma Trading Corpn, Ltd 9 Wallace St Bombay

K. C. Biswas Company

Consulting Textile Engineers & Dealers in Textile Machinery,
Merrow Sewing Machines, Yarns Fidelity Ribbers, Bristol Automatic Controls and Pressure Gauges etc, Steel Heddles & Harnesses, Laurel Bleaching & Finishing Compounds etc, Leather Belting and General Mill Stores Trial Order Solicited

Mr. K. C. BISWAS, M T.M., A T.I, Textile Engineer (U S.A.)
Bharat Bhawan, Chittaranjan Avenue, Calcutta.

13 years experience in Textile Industry in America & Japan
Phone. Cal 2420 Cables "Textile"

Ebrahim Noormahomed, 95, Victoria Road, Byculla, Bombay.
F. K. Mody & Sons, Reay Road, Bombay.
Grand Wood Works & Saw Mills, Connaught Cross Road, Ghorupdeo, Bombay 10.
Hargovindas Shivlal & Co., Tank Bunder, Bombay.
Janmohamed Habib, Mustafa Bazar, Victoria Rd., Byculla, Bombay.
Kantilal Ramanlal & Co, Reay Road, Tank Bunder, Bombay.
Kazi Ebrahim Dawood, Pine Mansion, Reay Road, Bombay.
Mastoo Ramzan, Victoria Road, Byculla, Bombay
Merwanji Kollabhai, Tank Bunder, Victoria Rd. Mustafa Bazar, Bombay.
S D. D Gilder & Co, 40, Victoria Rd, Byculla, Bombay.
Shastiker & Co, Chimna Butcher Street, Bombay
Timber Trading Co. Station Rd. Thana, Bombay.

BOMBAY PRESIDENCY.

Dhanjishaw Dadabhoy Chatkia, Bilimora, Surat
Heptulla & Habibulla, Nasik
R M Jethabhoy & Co, Bilimora, Surat.
S Abasali Sons, Aligarh, Viramgam, Ahmedabad

BURMA.

H Rockmanund, 561 Lower Main Road, Tavoyzoo, Moulmein.
Daw Kin Thein, Pegu.
Oo Sai & Sons, Phoungdaw
U Kya Hhi, Paungbyin, Burma
U San Dun, Paungbyin, Burma
Upper Burma Trading Co. Shwegu, Burma.
Upper Burma Wood & Co., Ela, Upper Burma (Timber)

CALCUTTA.

Beliaghatta Box & Timber Co., 8, Chaulputty Road, Beliaghata, Calcutta. Br:—Hazaribagh
Bengal Timber Trading Co. Ltd., 4, Clive Row, Calcutta.
Bhagwandass Bagla Rai Bahadur, 67-22, Strand Rd., Calcutta.
Bird & Co., Chartered Bank Bldgs., Calcutta.
Calcutta Timber & Trading Co., 63, Strand Rd., Nimtollah, Cal.
Durga Timber Works, 99/B, Muktaram Babu St., Calcutta.
East Bengal Timber Trading Co., 128-1, Bow Bazar St., Calcutta
East Bengal Timber Co., 40, Harrison Rd., Calcutta.
Howrah Mechanical Wood Works, 254-2, Panchanantala Rd., Howrah
Martin & Co., 12, Mission Row, Calcutta (Andaman Timber)
Motilal Radhakissen, 67 26, Strand Road, Calcutta.
N. R. Ghosh & Co, 2, Canal East Road, Calcutta
Ramprosad Brijlal, 67 10, Strand Road, Calcutta
Sanyal Banerjee & Co, Ltd, 84, Clive St., Calcutta (Plywood)
Satyanarayan, 187, Darmahatta Street, Calcutta
Surendra Nath Kundo & Bros, 1, Radhakristo Seth St., Calcutta
Timber Trading Agency, 11, Paul St., Calcutta

CENTRAL PROVINCES

Shree Krishna & Sons, Sagoni Bandhubpur, Damoh

DELHI.

Lall Dharam Das Ganga Das Jain, Sadar Bazar, Delhi
Lala Sanman Lal, Sadar Bazar, Delhi
Sri Ram Fatch Chand, Sadar Bazar, Delhi

INDIAN STATES.

A C. Chumar & Son, P O Ollur, Cochin State.
B S Subbiah, Makkaji Buildings, Sayaji Road, Mysore.
D Subba Rao & B. Arsohi Rao Cottonpet, Bangalore City
Hajee Kassam Musa, Banivi Kathiawar.
S. Kodandaramiah, Chamarajpet Bangalore.
S Krishnah & V Varupey Cottonpet, Bangalore City
Sadasiva Saw Mills, Bamboo St. Mysore.

KARACHI.

Abdool Hussain Mulla Alibhoy & Sons, Bunder Road, Karachi
Alibhoy Jeewanji, Swami Narayan Chawl, Karachi.

Organise your business with hints from "Theory & Practice of Commerce & Business Organisation." Rs. 4. Industry Book Dept., Cal

Essajee Ebrahimjee & Co., 255, Bunder Rd, Karachi
Manilal Amritlal Shah, Serai R Karachi

LAHORE

Spedding Dinga Singh & Co, Davis Road, Lahore

MADRAS CITY

C V Ramasawmy Mudaliar, 4, Sydenham Road, Madras
Devar & Co, Port Trust, Madras
M G Murugesam Chettiar, 65-66, Basin Bridge Road, Madras
P Nathamuni Naidu, Royapuram, Madras
Parthasarathy Agangam & Bros Sydenham Rd, Vepery, Madras
T Sashadri Iyengar & Sons, 2, Venkataroyer Lane, Park Town, Madras.
T Sivananda Chettiar & T Vadivelu Chettiar, 125, Sengalaneer Pillayar, Kovil St Madras
V M Raghavalu Naidu & Sons 16 Venkatramier St, Madras (Br —Rangoon Negapatam)

MADRAS PRESIDENCY

V K Kunhimayan Hajee Bahpatam, Malabar
A R A Shenvaga Nadar, Palamcottah, Tinnevelly
A V G Arunagiri Nadar, 116, W P Maistry St, Madura S I
Cooverjee Ardeshir & Co Court Road Calicut
Delta Trading Co, Bezwada, Kistna
M A K & Co, Moorias, Chalapuram, Calicut, Malabar
M Appadurai Iyer & Sons, Western Boulevard Rd, Trichinopoly
Malabar Timber & Saw Mills Co., Ltd, Kallai, Malabar.
S Govindarajaloo, Udamalpet, Coimbatore Dt
T Narayanamurty, Vearanki Lock, Kistna
T Vearavya, Vearanki Lock, Kistna

ORISSA

Siva Das, Barikpore, P O. Bahanga, Balasore

RANGOON

J A Begble & Co, Agts Venesta Plywood, Rangoon
U Aye Maung, 511, Vinton Street, Kemmendine, Rangoon.

UNITED PROVINCES

Agarwal & Co, Hewett Gate, Muttra
Mohammad Shafi & Co, Bansmandi Cawnpore
Hari Datt & Brothers, Haldwani
Rama Nand Bidhridas, Kabri Bazar, Meerut City
Singer Singh & Son, La Touche Rd, Lucknow
Union Timber Trading Co, 3, Harrisganj, Cawnpore

TIN BOX MANUFACTURERS.

Agra Tin Mfg Co, Belanganj, Agra
Alibhoy Valliji & Sons Elphinstone Street Karachi
Bengal Tin Box Mfg Co, 1, Jadunath Mitter Lane, Shambazar, Calcutta
Calcutta Can Mfg Co, 13, Harish Neogy Road, Ultadanga, Cal
Calcutta Tin Factory, 14/2, Halsi Bagan Rd, Calcutta
Central Canning Co, Karwar, Kanara (Fruit Cans)
Central Tin Printing Works, 16-3, Umesh Datta Lane, Calcutta
Colour Printing & Hollowware Works, Ld, 243, Upper Circular Road, Calcutta
Dhar Tin Factory, 14, Halsibagan Road, Calcutta.
F W & Co, Dev Samaj, Lahore
Ganga Tin Factory, 5, Raja Rajkissen St Calcutta
Gajanan Ramprataam Halsibagan, Calcutta
Gonpat Rav Ramnarain & Co, 243, Upper Circular Road, Calcutta
Habib Dada & Co, 63, Dontad St, Mandvi Bombay
Hasambhoy Jetha 53, Bentinck St, Cal (Drums, barrels etc)
Imperial Litho and Tin Printing Works, 17, Nanda Mullick Lane Calcutta
Kanaylal Dhar, 11 Swallow Lane, Calcutta
Kooverji Devshi & Co, Lohar Street, Bombay.

Organise your business with hints from "Theory & Practice of Commerce & Business Organisation." Rs 4. Industry Book Dept., Cal.

Metal Box Co. of India Ltd., B2, Hide Road, Kidderpore, Calcutta.
Metal Decorating and Shaping Co. Ltd., 112, Narkeldanga Main Rd., Calcutta. (Tin Printing).
National Tin Manufacturing Works Ld., Belangunj, Agra.
Sadar Singh Tin Factory, Halsibagan, Cal.
Shri Vardhman Tin Canister Co Belanganj, Agra, U. P.
Tin Can Mfg. Co., Ajmer.
Tin Printing Works, Kutcha Road, Arrah, Dt. Shahabad.
Tin Printing & Metal Works Ltd., H. O. Chandni Chowk, Delhi.
Wellington Mfg. Co., 27, Mills Rd., Bangalore City. (Tin Printing).

TOBACCO MERCHANTS.

BENGAL.

Aharuddin Dalal, Gobrasara Kanraj, Cooch Behar.
Ajmatulla Sarker, Pachapukur, Rangpur.
Asharam Todarmall, Kaunia, Rangpur.
Atha Bros., 47, Ezra Str., Cal. (Beedi leaves & tobacco).
B. Seal & Co., 102, Clive Str., Cal.
Bansidhar Angutiram, Lalmanirhat, Rangpur.
Chand Mohammed Bepary, Shaptibazar, Rangpur.
D. N. Dass, Kayapati, Cooch Behar.
Duraj Mall Chhaturbhuj, Tista, Rangpur.
Haji Yacoob Haji Karim, 47, Ezra Str., Cal. (Beedi Leaves & tobacco).
Hara Chand Deb Nath, Piyarpur, Kalir Bazar, Mymensingh.
Harsamall Kissen Saha, Chilhati, Rangpur.
Imperial Tobacco Stores, 168-5, Dharamtala Str., Cal.
P. C. Dutt & Co., 1, Chandney Chawk, Dharamtala, Cal.
Purshottamdas Gobind Prasad Varma, Musky Tobacco Factory, Lucknow.
Ram Chandra Paul, Dinhata, Cooch Behar
Ram Lall Gangalal, Kayapati, Cooch Behar.
Ram Lall Gangalal, Kayapati, Cooch Behar.
Sreeram Chandra Saha, Kanashatia, Nagarbathi, Jessore.

BIHAR.

Abdul Meah, Kishanganj, Purnea.
Baldeo Saha, Ekmma, Jalalgarh, Purnea.
Chan Chal Ram, Simraha, Purnea.
Chulai Saha, Dhandaha, Purnea.
Jamuna Proad Mahato, Brahmanthan, Purnea.
Nanda Lal Saha, Hansi, Jalalgarh, Purnea.
Rameswar Sahu, Gumla, Ranchi.
Sri Chamari Shah Mahabir Prosad, Gaya.
Sri Lal Mandal Gokulnagar Purnea

BOMBAY CITY.

Chandrakant Ujamshibhai, 262 268, Kalbadevi Rd., Bombay

BOMBAY PRESIDENCY

Bhikhabhai Narayanbhai, Nadiad, Kaira.
Hari Bapu, Bhiwandi, Thana
Haribhai M. Patel, Desai Vago, Nadiad, Kaira.
Mangaldas, Seth Suraj Meals Dapilla, Ratanpole, Ahmedabad
Sunderlal Mathalal, Vadavasuderi's Pole, Cambay, Kaira.

CALCUTTA.

Calcutta Balakhana Tobacco Factory, 71, Lower Chitpore Road, Calcutta.
Haji Azamali, 31 22, Lower Chitpore Rd., Calcutta.
Mooljee Sicka & Co., 51, Ezra St., Calcutta
Swadeshi Tobacco Patha Store, 16/2B, Armenian St., Calcutta

CENTRAL PROVINCES

Harlal Mohanlal, Wardha.

DELHI.

Jamaluddin Ikramuddin, Masnd Tahawar Khan, Delhi.
K. B. Mohd., Said & Co., Saidai Bazar, Delhi.

INDIAN STATES.

Central India Tobacco Co Ltd., Lashkar, Gwalior State.

"Sketches of Indian Industries" discusses industrial situations and industrial ideals. Parts I & II Re 1 each. Industry Book Dept. Cal.

Chathan Bandathil Varkey, Mo ovattupuzha. Travancore.
Chinniahan Pillai, N. Parur, Travancore

MADRAS CITY.

A. Abdul Karim & Co., Mannady St, G. T, Madras.
A Appadorai Mudaliar & Son, P. B 189, 2-21, Parish Venkatchala Iyer St, Madras
Batliboi & Co, 4 153, Broadway, Madras

MADRAS PRESIDENCY

F P Kumaravel Nadar & Bros, Mukkudal, Tinnevelly Dt (Also Beedi Leaves)
M Bhashayya & Son, Vearanki Lock Kistna
R D Chirala, Guntur
S Govindarajaloo Udamalpet, Coimbatore Dt
Sannam Seshmal & Co, Guntur.

ORISSA.

Jhanoo Hussain & Sons Chaulighanj, Cuttack (Also Salt and Sugar)

PUNJAB.

Khairahi Ismail, Malsian, Jullunder.
Rama Bhai Laloo Bhai, Karamsad, Gujrat, Punjab
Sh. Faizullah & Bros., Sargodha.

RAJPUTANA.

Rajputana Tobacco Works, Virginia House, Station Road, Atru, Kotah State, Rajputana

RANGOON.

Indo Burma Tobacco Co, 112, 41st. Street, Rangoon

SIND.

Dwarka Tobacco Coy. of India, Sukkur, Sind

UNITED PROVINCES

Kapoor & Co, Biswan, Sitapur.
M A Brothers Lucknow House, Valley Bazar, Meerut.

TOBACCONISTS.

(Also see Bidi, Cigar & Cigarette Manufacturers)

BENGAL

Home De Industries, Prop, K Mukherjee, P. O, Chanditola, Hooghly.

BIHAR.

Indian Leaf Tobacco Development Co, Khajuah, Darbhanga, Chirala, Guntur, 37, Chowringhee, Calcutta
Indian Tobacco Butt Factory, Dalsingserai, Darbhanga
Peninsular Tobacco Works Basdeopore, Monghyr

BOMBAY CITY

Crown Tobacco Co, Bandra, Bombay
Harvey & Co 217-19 Frere Road, Fort, Bombay

BOMBAY PRESIDENCY.

K C Tiwari, Nasik City

CALCUTTA

B Seal & Co 102, Clive Street Calcutta
Imperial Tobacco Co of India Ltd, 37, Chowringhee Road, Calcutta
National Tobacco Co of India Ltd 19/1, Bowbazar Street, Calcutta
Tobacco Manufacturers (India). Ltd, 37, Chowringhee, Calcutta.

DELHI

Babu Mal & Co, 216, Naya Bans, Delhi

INDIAN STATES

Central India Tobacco Co, Ltd, Lashkar, Gwalior State
City Tobacco Co Bangalore City
Oriental Tobacco Mfg Co, Bowringpet, Mysore State
Peninsular Tobacco, Co, Bangalore
Ranchordass Korondas & Sons, Patla Bazar P O, Anjar, Cutch

KARACHI.

Framji Sorabji & Son, Frere Rd., Karachi
Framji Sorabji & Son, Frere Rd., Karachi

LAHORE

Smith & Campbell, Pharmaceutical Chemists, The Mall, Lahore

MADRAS CITY

Mellowell & Co Ltd, 2 & 6, 2nd Line Beach, Madras
Venkatachala Mudaliar 180 181, Broadway G T, Madras

MADRAS PRESIDENCY.

M P Kadir Bux & Co, Saramita Cigar House, Woriur, Trichinopoly (Sumatra Wrapper)

"Sketches of Indian Industries" discusses industrial situations and industrial ideals. Parts I & II Re 1 each. Industry Book Dept., Cal.

Puthu Viakanta Shett & Sons, Brito Bldgs., Hampankatta, Mangalore, S. Kanara.

UNITED PROVINCES.

Chotey Lall & Bros., Chauk, Fyzabad.

Debiprasad Chandrikaprasad, Kanauj, Farrukhabad.

Jagdish Pd. Laxminarain, Khairnagar, Bazar, Meerut.

M. A. Brothers, Velly Bazar, Meerut.

Md. Uttaullah, Valley Bazar, Meerut.

Mohammed Bashir Rasool Bukhsh, Daliganj, Lucknow.

Tobacco Manufacturer (India), Ltd., Saharanpur.

TOILET REQUISITES DEALERS.

(See Perfumery Dealers & Manufacturers).

TOOLS MERCHANTS.

(Also see Machinery Dealers).

A. N. Hussunally & Co., 28, Strand Road, Calcutta.

Angus Keith & Co., 30, Strand Rd., Calcutta.

Consolidated Pneumatic Tools Co. Ltd., 8, Canning St., Calcutta.

G. B. Kale, Kinai, Aundh State, (Sifting Machine).

Heatley & Gresham, 6, Waterloo St., Calcutta.

Machine Tools (India), Ltd., Stephen House, Dalhousie Sq., Cal.

Santosh Kumar Mullick & Son, Ltd., Meerbohor Ghat, Lohapatty, Barabazar, Calcutta.

Scientific Supplies (Bengal) Co., Block C-37 & 38, College St Market, Calcutta (Tobacco Machinery).

T. E. Thomson & Co. Ltd., 9, Esplanade East, Calcutta

Tata Iron & Steel Co. Ltd., Tatanagar.

Thomas Robinson & Co., Ltd., 24, Park St., Calcutta.

Turner, Hoare & Co., Ltd., Gateway Bldg., Apollo Bunder, Bombay.

United Stores, 84/A, Clive Street, Calcutta.

Universal Trading Union, 9, Dalhousie Sq., Calcutta.

TOOTH PASTES & POWDERS MANUFACTURERS.

Bactroclinical Laboratory Ltd., 63-3, Mirzapore St., Calcutta.

Balatshi & Co., 14, Ramaswamy Str., Mannady, Madras.

Beaumonde Products Corporation, Old Market, Karachi.

Bengal Chemical & Pharmaceutical Works, Ltd., 31, Chittaranjan Avenue, Calcutta.

Bharatia Chemical Works, Agents: Shivalal Ratilal & Co., 55-91, Canning St., Calcutta.

C. R. Jayna & Co., Chandni Chowk, Delhi.

Calcutta Chemical Co. Ltd., 35 1, Panditia Rd., Ballygunj, Calcutta.

Chandranjan Depot, 79, Ulsoorpet, Bangalore City.

Cochin Chemical Co., Ayalur, Cochin.

Dentozone Co., Kapurthala, Punjab. (Denotozone Cream).

Dilkusha Perfumery Co., Quadian, Gurdaspur.

Dr. K. B. Sarma, Polamur, West Godavari Dt.

Gandhi Chemical Works, Md. Nagin Road, Lahore.

Hajee Ismail Sait, 25, Harinbari Lane, Calcutta.

Har & Sons, Englishia Line, Benares Cantt. (Laxmi Powder).

Himani Works, 59, Belgachia Rd., Calcutta.

Inman & Co., P. O. Box 8983 Calcutta.

Jewel of India Perfume Co., 19-A Sree Gopal Mallick Lane, Calcutta.

Kailash & Co., Old Dalmandi, Cawnpore.

Manufacture Pickles & Chutneys at Home, 'Indian Pickles, Chutneys & Morabbas' explains the process. Industry Book Dept., Calcutta.

Kalpataru Ayurvedic Works, "Kalpataru Place," Chittaranjan Avenue North, Calcutta

Laxmi Priya, Hunnarbhuvan Lashkar, Gwalior.

Mira, 11, Clive Row, Calcutta.

Neehar Perfumery, Neehar House, 41, Russa Road, Tollygunge, Calcutta

R Narasimha Char & Son, Githa Stores, Lakshmivilas Road, Mysore

Ram Prakash Fraternity, P.O., Rajpur, Dehradun

Ray Chemical Works, 13, Badur Bagan Lane, Calcutta

Sauco Laboratories & Works Cossipore, Calcutta

Sree Gopal Chemical Works, Bardyar Bazar, Dacca

Srinath Chemical, 2, College Sq, Calcutta (Collodina)

Sterling Pharmaceutical Products Co, Ltd, 72-2, Shambhu Nath Pandit Street, Calcutta (Kunda).

TOY MANUFACTURERS.

Abdul Jabbar & Bros, Sorab, Mysore State (Also Sandal Wood Articles)

Ahmed & Md Kazies Lakhruddin, Kazies St, Schwan, Larkana Sind

Aluminium Model Works 45, Kankurgachi 2nd Lane Calcutta

Babu Talamul Agharwala 16, Upper Chitpore Rd Calcutta (Also Brasswares)

Bakhtawarmal Kirormal Dariba, Delhi

Bengal Potteries, 45, Tangra Rd, Calcutta

Building Models & Toy Manufacturing Co, 42 Raj Narain Ray Chaudhury Ghat Rd, Sibpur, Howrah

Deccan Wood Works Vithal Peth, Poona City

Delhi Toys Works No 168 Chandni Chowk Delhi

Tancy Toys Works, Outside Dariba Kalan, Delhi

Gaya Pershad & Sons Merchants, Benares

Gaza Bros, Codacal, Tirur, S Malabar

Gosali Toy Palace, 50/1, Canning Street Calcutta

Kudalkar Savantwadi Toy Works, Savantwadi, Ratnagiri

Mir Gulam Ali & Sons, 4, New Market, Bangalore City.

Mistry & Co, Opp Crawford Market, Bombay

Mohamedy Toy House, Main St, Mhow C I

New Toy Stores, Clerk St Karachi

Shree Khunya Murlidhar Toy Works, 390 Sadashiv Peth, Poona City

Shri Krishna Wooden Toy Works, Tuni Godavary

Tandan Bros & Co, Block No 6 Dera Ghazi Khan

TRADE MARK AGENTS.

(See Patent & Trade Mark Agents).

TUBEWELL SUPPLIERS.

CALCUTTA

A N Hussunally & Co, 28, Strand Road, Calcutta

A T Ismailji & Co, 29 Strand Road, Calcutta

Advance Tube Co 86 Clive Street, Calcutta (Also Gas and steam tubes)

American Scientific Tube Well Co, 29, Strand Road Calcutta

Anant Ram Khem Chand Anand Ashram, Panipat, Punjab

Anglo American Tube Well Co, 212, Sibpur Road, Howrah

Bharat Tubewell Co 13-B, Chittranjan Avenue, South Calcutta

Bombay Rice Machinery Mart 8, Canning St, Calcutta

Chatterjee Bhattacharjee Bros 6, Raja Woodmunt Street, Cal

City Tube Well Co (Kuver Ld) 84, Clive Street Calcutta

Expert Tube Well Co, 129, Bowbazar St Calcutta

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Manick Lall Mullick 14, College Street, Calcutta

Reliance Engineering Corporation Vishwa Kutir, Begum Bridge, Meerut

Santosh Kumar Mullick & Son, Ltd, Meerbohor Ghat, Lohapatty, Barabazar, Calcutta

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Agarwal Type Foundry, 83 Pandariba, Allahabad

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Arumugam Type Foundry, 44, Broadway Madras

Baroda Type Foundry, 22/5B Bhamapukur Lane Calcutta

Bengal Type Foundry, 39, Mechua Bazar St, Calcutta

Bharat Chitralaya 355, Upper Chitpore Road Calcutta Wood cut Types English & Vernacular)

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British India Type Foundry 1 Crooked Lane, Calcutta

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S Navalkar & Sons, Sayed Bhu wan, 144, Princess St. Bombay No 2

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North British Typewriter Co, 8/2, Hastings St, Calcutta
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Globe Typewriting Co, (India) Bunder Road, Karachi

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Sulakhan Singh & Sons, 64, Brandreth Road, Lahore
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Typewriter Mart, 108, Armenian St, Madras
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Spencer & Co, Ltd, Coimbatore

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Said Bros, Lyallpur, Punjab

SIND

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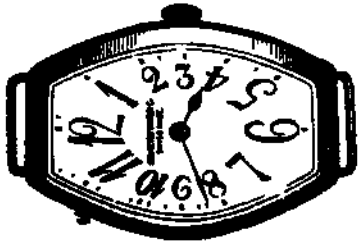

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Bombay Canvas Merchants & Co, 83 Clive St, Calcutta
Calcutta Waterproof Works, 173, Harrison Road, Calcutta
Haldar Banerjee, 11, Haldarpara Rd, Kalighat, Calcutta
J Mayr 1 Mission Row Calcutta
K C Marott 185 187, Hornby Road Fort, Bombay
Kumalalaya, College Street Market Calcutta
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National Trading Syndicate, 185, Ghusery Road, Salkia, (Howrah)
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Calcutta Chemical Co, Ltd, Ballygunj, Calcutta
National Chemical Industries, 135, Canning St, Calcutta
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BENGAL.

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Hand Loom Weaving Supply Co, Serampore, Hooghly
K C Nath & Co 1, Nabakrishna Gum Ln, Serampore, Hooghly
Serampore Govt Weaving Institute, Serampore, Hooghly

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Continental Textile Stores Co, Post Box No. 770 Bombay 1.
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Indo British Trading Bureau, 7/10, Elphinstone Circle Fort, Bombay
Kooverji Devshi & Co, Lohar Street, Bombay
Ratilal Bhikhabhai & Co, Girgaon, Bombay
Sethna Katrak & Co, 56, Tamarind Lane, Fort, Bombay 1
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Western India Co, Wakefield House, Ballard Estate, Fort, Bombay

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Jivanlal Chimanlal & Co, Rajamehta Str, Ahmedabad (Loom Accessories)
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Tikekar Textile Mill, Ld, Tikekar wadi, Sholapur.

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S N Dutt, 2B, Beadon Street Cal (Binode Loom automatic)
Scroggie Bros, 2, Clive Ghat St Calcutta (Picking Bands)

INDIAN STATES.

Modern Business Syndicate, Aurvaneswaram, Travancore

PUNJAB.

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Commonwealth Trust Ltd Calicut, Malabar Weaving Factories at Calicut & Cannanore
Commonwealth Weaving Factory Balmatha Mangalore Kanara, Cannanore Malabar (Also at Calicut, Malabar)
Ellore Hosiery Spinning & Weaving Mills Ellore Godavari
Godavary Spinning & Weaving Mills Pandalapaka Godavari
Gopal Krishna Weaving Works Thalap, Cannanore N Malabar
Hussain's Weaving Co New Town Cochin
Hydatul Islam Weaving Estt Baliapatam Malabar
Japan Cotton Factory Sargodha
Juggilal Kamlapat, Cotton Spinning & Weaving Mills Co Ltd, Cawnpore
K C Sankaran & Bros, Weaving Establishment, Azhikode Baliapatam N Malabar
Kadri Weaving Factories, Mangalore, Kanara
Kamala Fine Spinning Mills Ld, 2, Royal Exchange Place Cal
Kerala Weaving Co, Chovva, Cannanore, Malabar
Khalsa Cotton Factory, Sargodha
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Ratilal Bhikhabhai & Co., Girgaon P O., Bombay.
Saraswathy Vijayam Weaving Estt Baliapatam, Malabar
Shaikh Cotton Factory Sargodha.
Sree Kumar Weaving Estt, Puthiyatheru Baliapatam Malabar
South Indian Weaving Works, Kumbakonam, S I Rly
Standard Cotton & Silk Weaving Co, Calicut Malabar
Subramania Vilas Weaving Estt., Baliapatam, Malabar
Sundareswara Weaving Estt, Chovva, N Malabar
T S Bros Weaving Establishment Pallikunu, Cannanore
Taj Mahal Weaving Factory, Baliapatam, Cannanore
Tinnevelly Mills Co, Ltd, Ambasamudram, Tinnevelly.
Tinnevelly Textiles Ltd, Kolipatti, Tinnevelly
Victoria Weaving Establishment, Slavil Cannanore, Malabar
Vishnu Weaving Works, Chovva, Cannanore, Malabar
West Coast Weaving Estt, Chovva, Cannanore, Malabar

WEIGHING MACHINERIES.

(See under Balance and Weighing Machine Dealers).

WELDING COMPANIES.

British Arc Welding Co (India) Ltd, 43-46, Garden Reach Rd, Calcutta, (India).
Indian Oxygen & Acetylene Co Ltd, 12, Mission Row, Calcutta Br Bombay, Jamshedpur, Lahore, Cawnpore, Colombo.
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Coondoo Paul & Co., 20, Raja Woodmunt St., Calcutta. (Wirenetting).
D. P. Bhattacharjee & Bros., 84/A, Clive St., Calcutta.
Delhi Sheet and Wire Works, New Road, Delhi.
Eastern Wire Cloth Co., 44, Clive Street, Calcutta.
Gadadhar Shaw & Sons, 97, Harrison Road, Calcutta
Indian Cable Co., Ltd., 2, Waterloo St., Calcutta. (Copper Weld Wire).
Indian Steel Wire Products, Tatanagar.
Indian Wire Netting Factory, 24, Sastitola Rd., Narkeldanga, Calcutta.
Jessop & Co., Ltd., 93, Clive St., Calcutta. (Galvanised Iron Wire).
Kedarnath Mnfg. Works, 94, Baradeo, Benares City.
S. C. Dutta & Co., 14, Sitalatola Lane, Narkeldanga, Calcutta (Wire Net).
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WIRELESS ACCESSORIES DEALERS.

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Indian States & Eastern Agency, Pioneers of Wireless in India, Hararwala Bldg., Wittet Road, Ballard Estate Bombay. (Also at Royal Opera House, Bombay.
International Radio Co., Commissariat Bldgs., Hornby Rd., Bombay.
United Engineering Corporation, 1, 2, 11, Tamarind Lane, Fort, Bombay. Branches:—19, Strand Rd., Calcutta.
Western India Co., Wakefield House, Ballard Estate, Fort, Bombay.

CALCUTTA.

C. C. Saha Ltd., 170, Dharamtala St., Calcutta.
Calcutta Electric Construction Co., 104/1, Cornwallis St., Calcutta.
Deradio Co., 5 1, Kenderdine Lane, Chittaranjan Avenue, Calcutta.
Dwarkin & Sons, 11, Esplanade, Calcutta.
Edison Engineering Works, 10, Wellington Sqr., Calcutta.
Houghton Butcher (Eastern) Ld., 10, Hungerford St., Calcutta.
G. Rogers & Co., 5, Dalhousie Sq., Calcutta.
General Electric Co. (India) Ltd., Magnet House, Chittaranjan Avenue, Calcutta.
Mono Radio Ltd., P3, Central Avenue, Calcutta.
N. B. Sen & Bros., 21, Chowringhee, Calcutta.
Phillips Electrical Co., (India), Ltd., 2, Heysham Rd., Calcutta.
Radio Research Laboratory, 15, Sankaritola Lane, Calcutta.
Radio Supply Stores Ltd., 8, Dalhousie Sq., Calcutta. (Also Musical Instruments),

DELHI.

Brij Raj Kishore Bhatnagar, 480, Tilak Street, Delhi.
Northern India Radio Co., Ltd., 719, Chandni Chowk, Delhi.
Eastern Radio & General Supply Co., Connaught Place, New Delhi & Kashmere Gate, Delhi.

INDIAN STATES.

Bantva Muslim Trading Co., Bantva, Kathiawar.
Hyderabad Engineering House, Hyderabad. Deccan.
International Agency, Sayaji Rd., Mysore.

LAHORE.

Parco, 40, The Mall, Lahore.

MADRAS CITY.

Madras Radio Co., 2-105, Armenian St., Madras.

MADRAS PRESIDENCY.

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R. S. Durhaya & Co., New Road, Jhansi.

WOOL MERCHANTS.

A. N. Malik & Son, Rawalpindi, & Ambala

Baboo Mohd Ali, New City, Etawah. (Wool & Skin).

Bali Mall Nawal Kishore, Panipat.

Bikaner Woollen Press, Industrial area, Near Rly. Station, Bikaner.

Continental Textile Stores Co., Post Box No. 770, Bombay 1.

Deoomal Pokardass, Shikarpur, Sind

Dhanrajmal Tulsidas Nanoomal Virbhandas, Beawar (Br:— Bombay, Kekri & Shikarpur).

Dinanath Giyasilal, Gwalior.

D. S. Bist & Sons, P.O Berinag. Dt Almora (Raw Wool and Goat Hair Dealers)

Eastern Wool Trading Co., Navsari Bldg, Outram Rd, Fort, Bombay.

Haji Mahd. Ishaq, H. Noor Ahmed, Sadar Bazar, Delhi.

Haroon Rashid, Taungdwingyi, (Burma).

Karim Bux & Elahi Bux Bros., 58-3. Canning Street, Calcutta.

Mithanlal Nanumall, Panipat.

Mohd. Yahya Sharif-ul-Hasan, Etawah (Wool & Skin).

Om Press Co, Fazilka

Ram Press Co, Fazilka.

Seth Kundanmalji Lalchandji, Beawar.

West Patent Press Co., Fazilka.

WOOLLEN GOODS MANUFACTURERS & DEALERS.

BENGAL.

Musa & Rohamali, Chowbazar, Darjeeling.

BIHAR.

Superintendent, Central Jail, Bhagalpur. (Blankets)

BOMBAY CITY.

Abdoola Joosab Calcuttawalla & Co., Khoja Mohalla, Bombay.

Bombay Woollen Manufacturing Co., Ewart House, Tamarind Lane, Fort, Bombay.

Dharamsi Morarjee Woollen Mills, Sudama House, Ballard Estate, Bombay.

Indian Woollen Mills, Haines Rd., Mahaluxmi, Bombay 11.

Raymond Woollen Mills Ltd, E. D Sassoon Bldg., Dougall Road, Ballard Estate, Bombay.

Sir Shapurji Broacha Mills, Bombay.

BOMBAY PRESIDENCY.

Balabhai Mahanlal, Shekhs Pada, Ahmedabad.

Bhorabhai Mohanlal, Sankrisheri, Ahmedabad.

Kashmere Stores, Richey Road, Ahmedabad.

CALCUTTA.

B. C. Nawn Bros., 7, Bow Bazar Street, Calcutta.

Banga Luxmi Woollen Mills, 28, Pollock Street, Calcutta.

Baijnath Brijimohan Babulal Rameswar, 46, Cross Street, Cal.

Bengal Stores Ltd., 8-A, Chowringhee Place, Calcutta. M./A. Birla Bros. Ltd.

Bhuban Mohini Das, 6, Chaul Patti Lane, Belliaghata, Calcutta.

Joharmal Srinarayan, 16, Pagayapatta Calcutta.

Kamalalaya, College Street Market, Calcutta

Soobashah & Co., 30, Clive St., Calcutta.

INDIAN STATES.

Abdul Cureem & Sons, 29, Chickpet, Bangalore City.

B. K. Subbay & Sons, Sourashtrapet, Bangalore.

Bangalore Woollen Cotton & Silk Mills Ltd., Bangalore.

Bikaner Woollen Press, Sethia Bldgs., Bikaner Industrial Area, Railway Station, Bikaner.

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K. Anantha Rajiah & Sons, Post Mandya, Mysore Dt.
Kaisari Hind Woollen, Cotton & Silk Mills Ltd., P.O. Hebal, Bangalore.
Mahalaxmi Woollen & Silk Mills Ltd, Bangalore.
Misrilall Parasmall, 10, Dewan Surappa Lane, Chickpet, Bangalore City.
Shri Dinesh Mills Ltd. Padra Road, Baroda.
Soni Bros., 1st Bridge, Srinagar, Kashmir

KARACHI.

Bombay Woollen Manufacturing Co., Ltd, Agents, Anglo-Siam Corporation, Ltd., Karachi.
Tattersfield Co., McLeod Road, Karachi.

LAHORE.

Tilak Hosiery, Pipalmandi, Lahore.

MADRAS PRESIDENCY.

Woollen Mart, Hampankatta, Mangalore, S. Kanara.

PUNJAB.

Abdelson & Co., Katrabhai, Amritsar
Bharat Industrial Company, Amritsar. (Also Ivory Goods, Silk & Cotton).
Indian Woollen Stores, Karmon Deori, Amritsar.
New Egerton Woollen Mills Co., Dhariwal, Punjab.
Mohd. Havat Mohd. Ali Woollen Mills, Amritsar.
Punjab Woollen Agency, Bazar Sabunian, Amritsar.
R. L. Kaistha, (Bhawan), Kangra, Punjab.
Rai Bahadur Knitting Works, Ludhiana.
Shahazada Hosiery Works, Ludhiana.
Swadeshi Woollen Mills, Amritsar.

UNITED PROVINCES.

Baij Nath Balmukund Woollen Mills, Anwarganj, Cawnpore
Bharat Weaving Factory, Khatauli, Muzaffarnagar.
British India Corporation Ltd., Cawnpore.
Cawnpore Textile Ltd., Cawnpore
Cawnpore Woollen Mills Co, Civil Lines, Cawnpore.
Karmanchal Bhandar, Mall Road, Almora.
Palirajpur Wool & Cotton Works Chitpur, Lucknow.
Sitaram Fakirchand, Bagh Muzaffarkhan, Agra.
Sri Govind Weaving Mills, Juhi, Cawnpore.
Woollen Hosiery Factory, Makhan Bazar, Cawnpore.
Zakir Brothers, Mirzapur (Carpets & Rug).

YARN MERCHANTS.

BENGAL.

Sheokishen Premsukh, Malda, S. Bengal. (Also Silk Cloth).

BOMBAY CITY.

Continental Textile Stores Co., P.O. Box No. 770, Bombay No. 1.
Cooper & Co., 182, Ripon Road, Bombay 8.
David Mills Co., Ltd., Elphinstone Road, Bombay. (Mercerised Yarn).
Edward Sassoon Mills Ltd., Fergusson Road, Parel, Bombay.
Haji Jiva Haji Khamisa & Co., 178, Sadaria Bazar, Nagdevi St., Bombay.
Himatlal Mangaldas & Co, Tamva, Kanta, Bombay 8.
Indian Yarn Supplies Depot, P O Box No. 770, Bombay. (Indian Cotton, Silk & Hosiery Yarns)
J. David Sassoon & Co., 143, Esplanade Road, Bombay.
M. Sidek & Co., 15, Hanuman Bldg., Tamba Kanta, Pydhownie, Bombay.
Mathuradas Maganlal, Hanuman Bldg., Tamba Kanta, Bombay
Motilal Vallabhji & Co., 4, Bruce Lane, Bombay.
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R M Jassawalla & Co 105, Apollo St, Fort, Bombay
Ramanlal Chhabildas, Waknis Bldg, Tamba Kanta Bombay, 3,
Ratilal Bhikhabhai & Co Girgaon Post, Bombay
Sankalchand G Shah & Co, Kothari Bldg Tamba Kanta Pydhonie, Bombay

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Amin Patel & Co Opp Railway Station, Ahmedabad
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P M Hathi Singh & Co Hathi singh's Vadi, Ahmedabad
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Ramanarayan Rajmal Rathi, Mangalwarpeth Palthangath, Sholapur
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Ratilal Bhikhabhai & Co., Girgaon P O, Bombay.
Seth Panalal Umabhai, Richey Rd, Near Jain Derasar, Ahmedabad
Trikamlal Chamanlal Manek Chowk, Ahmedabad

CALCUTTA

Adamjee Haji Dawood & Co, Ld, Stephen House, Dalhousie Sq, East, Calcutta
Dunbar Mills Ltd Post Box 121 Calcutta
Indian Yarn Trading Co Ltd, 137, Cotton St, Calcutta
Japan Cotton Trading Co, Ltd, D 3 Clive Bldgs Clive Street, Calcutta
Jhabhirmull Satnaram 149 Cotton Str Calcutta
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Muir Mills Co Ltd 29 Chowringhee Road Calcutta
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S K Appavoo Chetty, Rangasamy Chetty, Mandy St, Erode
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S. S. Ramudniye & Bros., Ramnad Rd, Madura. (Coloured Yarn)
Vetcha Rama Lingaiah Sons, Rajahmundry, Godavary

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R D. Aggarwal & Co., Katra Ahluwala, Old Cloth Market, Amritsar.
Woollen Goods Trading Co, Amritsar

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Ranomal, Sukkur, Sind

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Lalbhai Bhikhabhai, Chowk, Moradabad
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Gururam Hariprasad, 41, Strand Rd, Calcutta.
Ganga Prasad Biswanath Prasad & Co, Chowk, Benares.
Mahmood Ali Mashhood Ali, Vally Bazar, Meerut
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Aligarh Opinion, Muslim University, Aligarh

Suhail, Rashid Ahmed Siddiki, Anjuman-e-Urdu e-Moalla, Aligarh, U P Urdu Quarterly Subs Rs 6

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Abhyudaya, 28, Sheocharanlal Road, Allahabad, Weekly, Hindi

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Bachhon Ki Dunya—Publishers: The Indian Press, Ltd., Allahabad. Children's illustrated Urdu monthly. Annual Subs. Rs. 2/8.

Balsakha, Publisher:—Indian Press Ltd., Allahabad. Boy's Monthly. Hindi.

Bhairsaya, Allahabad. Illustrated Hindi, Weekly.

Bharat, Leader Road, Allahabad. Weekly, Hindi.

Bhugol, Allahabad City. Geographical, Hindi, Subs. Rs. 3, Adv. rate per page Rs. 10, Cir. in India, Burma, Ceylon & Foreign countries, Monthly.

Chamcham, The Kala Press, Allahabad. Hindi, Monthly, Subs. Rs. 2-8.

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Ananda Chandrika Bangalore Monthly, Kanarese

Astrological Magazine Suryadaya, Bettahalsoor Bangalore Monthly, English

Daily Al Kalam 116 Kalaspalyam, Bangalore City Moderate Nationalist Urdu Subs Rs 18 Adv rate per page Rs 64 per Col Rs 16 per inch Re 1 Cir in Southern India Col 16" × 23" 4 to a page Daily except Friday

Garland Malleswaram Bangalore Monthly, English

Humanist Jayabhavan Bangalore, Monthly English

Insurance Magazine 26 Cubbon Road Bangalore Monthly English

Karnataka Sahitya Parishat Patrika, Bangalore Kanarese Monthly Subs Rs 4/

Knowledge & Practice Bangalore Monthly Urdu

Makkala Pustaka Makala Pustaka Press, Balepet Bangalore City Kanarese Monthly, Subs Rs 3

Mysore Economic Journal 19 Gundopunt Bldgs Siddicutta, Bangalore Economic Monthly English Subs Rs 6 Cols 2 to a page

Rangabhumi, 3 34 Maniyarthipet, Bangalore City Kanarese Monthly, Subs Rs 3 8

Sahitya Parishat Patrika, Bangalore. Kanarese Monthly, Subs Rs 3

Saraswan, Chamarajpet, Bangalore Kanarese Monthly, Subs Rs 3

Saraswathi, Mrs R Kalyanamma, Chamarajpet, Bangalore City, Monthly Kanarese Subs Rs 3/-

Treasure Chest Basavangudi, Bangalore City English Monthly Subs Rs 2

BANKIPUR.

Mahabir Karyalaya, Bankipore, Patna Hindi Weekly & Daily

Siksha Bankipore, Patna Hindi, Weekly

BANKURA

Ekata Luxmi Press Bankura (Bengali Monthly)

BARISAL

Banga Mihir Barisal Weekly

Barisal Hitaishi Barisal Weekly

BAREILLY

Arya Patra Bareilly

BARODA

Advertiser Baroda Karelibagh, Aryapura Baroda Monthly Hindi Gujrati Marathi and English Subs As 8 Advt Rate per page Rs 12/, per col Rs 6/ per inch Rs 2/ Col 8 × 21 2 to a page 25th of every month

Balak The Balak Karyalaya, Baroda Monthly Gujarati Subs Rs 2/

Banyan Bajvada Baroda Children's monthly (illustrated), Gujarati Subs Rs 3 Adv Rate per page Rs 5 Cir in Bombay Presidency, Col 7" × 4¾"

Kaumudi Raopura, Baroda Gujarati Monthly Subs Rs 5

Nava Gujarat Mama's Pole Baroda Nationalist Anglo-Gujarati, Subs Rs 3, Adv rate per page Rs 40, per Col Rs 10, per inch Re 1 Cir in Baroda State & Gujarat Col 11"×2" 4 to page every Monday

Saha Vichar The Saha Vichar Press Baroda Marathi, Monthly Subs Rs 2/-

"Sahitya" Raopura, Baroda Monthly, Literary Gujarati, Subs Rs 3/8/- Advt Rate per

Sugar Making pays in these days Read Sugar in India Rs. 3-8
INDUSTRY BOOK DEPT, SHAMBAZAR, CALCUTTA.

page Rs 6/-, Cir Bombay Precy, Column 8 × 2½ inches. 2 to a page

Sharda, Raopura, Boroda, Gujarati, Monthly, Subs Rs. 6-8

Vyayam, Raopura, Baroda, Marathi, Monthly, Subs, Rs 2-8.

BELGAUM.

Bharat-Mitra N B Naik, Dhananjay Press Khanapur, Dist Belgaum Marathi Monthly. Subs Rs 2 8

Lokamitra, Khanapur, Dt Belgaum Marathi, Monthly, Subs Rs. 2

BENARES

Aj, Kabirchaura Benares City

Awaza I Khalk Anand Bhavan, C101, Senpura, Benares City. Weekly, English, Subs Rs 3

Hans, Hans Karyalaya, Saraswati Press Benares Nationalist, Hindi, Subs Rs 3/8/-. Advt Rate per page Rs 15/. Circulated in Bihar, C P, Rajputana & Madras, 2 Cols. in a page Monthly

Hindi Kesari Benares Weekly

Kala, Benares Cantt Hindi Magazine of Industry

Survodaya Shree Bharat Dharma Mahamandal, Jagatganj, Benares, Monthly Sanskrit, Subs Re 1/-

Uttara, 20 46 Velupara Benares City .Illustrated Bengali Literary, Monthly Subs Rs 3/8/-

BEZWADA

Bheema Patrika, Bezwada, S I Monthly, Telugu, Insurance publicity

Indian Policyholders Review, Deccan House, Bezwada, S India, Insurance & Banking, English Subs Rs 1-8, Cir. in India, Quarterly

BHAGALPUR

Bihar & Orissa Co-operative Journal Sabour, Dt Bhagalpur Quarterly English, Subs Rs 3 12

Ganga, Sultanganj, Bhagalpur, Monthly Hindi Magazine.

BIJNOR.

Madina, Bijnor, Urdu

BIRBHUM

Birbhum, Suri, Birbhum, Monthly, Bengali

Birbhum Barta, Suri, Birbhum Bengali

Brati Balak, Srimketan, Bolepur. Monthly, Bengali.

Pallimangal, Dubrajpur, Birbhum Bengali

Visva Bharati, Santi Niketan, Bolepur, Birbhum

BOGRA.

Bagurar Katha, Bogra, Bengali.

Tarun, Bogra Bi-Monthly, Bengali

BOMBAY

Aruna, Laxmi Narayan Press 364, Thakurdwar, Bombay 2, Marathi, Monthly, Subs Rs 3

Ayurveda, Kandewadi, Bombay Marathi, Monthly, Subs Rs 1 10

B B & C I Ry Magazine, Church Gate, Bombay English Monthly

Ball Bearing Journal, Skefko Ball Bearing Co Ltd, Fort, Bombay

Business India Graham's Bldg Parsi Bazar Str, Fort, Bombay Monthly, English Ann. Subs Rs 5/12

Bombay Chronicle, Parsi Bazar St, Fort, Bombay Daily & Weekly on Sundays, Independent Nationalist, English, Subs Daily Rs 20/ Weekly Rs 6/ Advt, Rate per Col Rs 7/8/ Cir Throughout India, especially Western India Col 20"×2½ 7 to a page

Bombay Co-operative Quarterly Provincial Co operative Instt Bombay.

Bombay Cotton Annual, The East India Cotton Association Ltd Bombay Subs Rs 2/.

Bombay Diocesan Magazine St Thomas's Cathedral, Bombay Monthly English

Bombay Hockey Annual, Parsi Bazar St, Fort, Bombay

Bombay Law Journal 121 Meadows St Fort, Bombay Monthly English

Bombay Law Reporter, 2A Charni Rd Bombay Fort nightly, English

Bombay Samachar, Custom House Rd, Bombay Vernacular Daily

Bombay Scout, Provincial Scout Hd Qr, Bombay 1, Monthly English, Subs Rs 3

Bombay Teachers' Journal, The Bombay Teachers' Union, C/o Rebert Money High School, Bombay 7 Three times a year English Subs Re 1/-

Business Friend Monthly, Graham's Buildings, Parsi Bazaar St, Fort, Bombay

Bombay Sentinel Elphinstone Circle Fort Bombay Daily, English

Business India, Graham's Bldg, Parsi Bazar Str, Fort, Bombay. Monthly, English, Ann Subs Rs 5/12/-

Business India's Desk Diary, Annual Florency Agency, Parsi Bazar St, Fort, Bombay

Commerce C/o W H Brady & Co Ltd, Royal Insurance Bldgs, Churchgate Street, Fort, Bombay Commercial & Financial Weekly, English Ann Subs Rs 35/-

Constructional Indian Hume Pipe News, The Indian Hume Pipe Co Ltd Phoenix Building Ballard Estate Bombay

Daily Star Observer, Swastik Special Charm, Mahalaxmi Bombay 11

Drashti Bombay Monthly English

Engineer, 343 Opp Rly Station (East) Grant Road Bombay Subs Rs 6/

Evening News of India Bombay Daily, English

Financial News, Yusuf Building, 43, Esplanade Road, Fort, Bombay Moderate English Subs Inland Rs 20/- Foreign £2 Advt Rate per page Rs 74/-, per col Rs 42 Circulated in India, China, Japan, England, Continent, U S A etc Cols 11½" × 4", 2 to a page Weekly Saturday

Free Press Journal, 21, Dalal Street Fort Bombay Daily, English

G I P Ry Magazine, Publicity Office, G I P Ry, Bombay Monthly, English, Subs Rs 3/- Advt Rate per page Rs 50/-, Cir. throughout the G I P Ry Territory

Goa Mail, Girgaum Rd, Bombay Anglo-Vernacular Weekly

Goan World P O, Box No. 3555, Bombay, Eng, Monthly.

Gujarat, Bank Street, Fort, Bombay Gujarati, Quarterly, Subs Rs 8

Gujrati Sasscon Building, Elphinstone Circle, Fort, Bombay. Political, Religious, etc Subs Rs 12, Gujrati, Adv rate per page Rs 48 per Col Rs 15 per inch Re 1-8, Cir in Kathiawar, Gujrat & U P Col 12" × 2", 4 to page, Every Sunday

Gujrati Kesari, The Gujrat Press, Bombay

Gunasundari, 114, Vithalbhai Patel Road Bombay 4 Social Reform, Gujarati, Subs. Rs 4-6, Adv rate per page Rs 12, per Col Rs 7, Cir in India, Burma, Africa etc Col 7½" × 2½", 2 to page, Monthly.

Hindi Graphic, Grant Road, Bombay Vernacular Weekly

Hindusthan & Prajamitra, 9, Bakehouse Lane, Fort, Bombay Radical Nationalist, Gujarati, Subs Rs 20 Cir in India & States Africa, etc Col 20" × 2¼", 7 to page daily except Sunday

Illustrated Weekly of India, Times Bldg Hornby Rd, Fort Bombay Weekly Eng Sub Rs 22,

Indian Concrete Journal, Forbes Bldgs Home St, Bombay Monthly, English Ann Subs Rs 6/

Indian Cricket, 143, Esplanade Rd, Fort Bombay, Eng Monthly Ann Subs Rs 5

Indian Insurance, Matunga, Bombay 9, Monthly, English

Indian Journal of Venereal Diseases 94 97 Girgaon Road Bombay 4 Quarterly Annual Subs Rs 5

Indian Listener, Irwin House Ballard Estate, Bombay, Radio, English, Subs Rs 4 Adv rate per page Rs 200, per col Rs 80/- per inch Rs 20 Cir in India Burma & Ceylon Col 10½"×9" 3

The Bengal Insurance & Real Property Co., Ltd., declared at its last valuation a Bonus of Rs. 16 per 1000 per annum on Whole Life Policies

to page, Fortnightly, Published on 7th & 22nd of every month.

Indian Literary Review, 210, Hornby Road, Bombay

Indian Motor News, Military Sq, Medows St, Fort, Bombay

Indian Social Reformer, Navsari Chambers, Outram Road, Fort, Bombay Weekly, English

Indian Textile Journal, "Noor Mahal" Military Square, Fort, Bombay English, Subs Rs 12/- 11" × 2", 3 to a page Monthly, (last day of the month)

Jame Jamshed Ballard House, Bombay, Gujarati, Daily, Subs Rs 33/-

Journal of Indian Economic Society, Ramchand Bhuvan, Girgaon, Bombay

Journal of Indian Merchants Chamber, 31 Murzalan Rd, Fort, Bombay Quarterly, Eng & Gujrati

Kaiser-i-Hind, Kaiser-Chambers, Elphinstone Circle Fort Bombay Independent Nationalist & Progressive, Gujrati & English, Subs Rs 12 per year, Adv rate per page 60, per Col Rs 15 per inch Re 1, Cir in India, Burma & Ceylon Col 15"×2¼", 4 to page every Sunday

Khelgadi, Girgaon Bombay 4 Marathi Children's Monthly, Subs Rs 2/4/ Advt Rate per page Rs 10/-

Khilafat, Jacob Circle Bombay Vernacular Daily.

Labour Gazette, Labour Office, Secretariat, Bombay English, Subs Rs 12, Adv rate per page Rs 50 Cir in India & Abroad, Col 7.6" ×4.3", 1 to page, Monthly

Manoranjan, Sandhurst Road, Bombay 4 Monthly, Marathi, Subs Rs 4-8

Maij Majah, Bombay.

Medical Digest, 94-97, Girgaon Rd, Bombay 4 Monthly Medical Journal

Model, Cawasji Patel Street, Fort, Bombay Independent Anglo-Vernacular. Subs. Rs 5, Adv. rate per page Rs 20. Cir. in India, Monthly

Moving Picture, Khatan Bldg, Girgaon, Bombay 4. Monthly. English

Navayug (Monthly magazine), 9, Bakehouse Lane, Fort, Bombay Radical Nationalist, Gujarati, Subs Rs 5/-, Circulated in India, Burma, Ceylon, S & E, Africa Str Settlements Col 8"×2½", 2 to a page Monthly,

O Anglo Lusitano 15, Bank St Bombay

Praja Mitra Keshari, (Illustrated) 21 Dalal Str, Fort, Bombay Radical Nationalist Gujrati Subs Rs 5 Cir in India and States Adv Rate per inch Re 1/4/-, Col 15"×2½", 4 to page, Weekly, Sunday.

Pratibha Kudaldeshkar Brahmin Nivas, Girgaon Bombay 4. Marathi, Fortnightly, Subs Re. 1/-

Pravinya (Marathi), Kandewadi Naka, Girgaum Bombay No 4 Subs Rs 3/-

Property Market, 17, Esplanade Road, Fort, Bombay English, Fortnightly, Subs Rs 6/-, Cir Throughout Bombay Presy & Native States

Pushpa, Gulistan, Khar, Bombay 21 Children's Monthly Annual Subs Re 1

Radio Talkie & Electric News, 129, Esplanade Road, Fort Bombay Annual Subs Rs 3/-.

Railway Times, Commissariat Building, Hornby Road, Fort Bombay

Samaj, Girgaon, Bombay 4 Monthly Gujrati Subs Rs 3/-.

Sanj Vartaman, British Hotel Lane Apollo Street, Fort, Bombay Daily, Anglo-Ver

Satya Mitra Bombay, Daily & Weekly

Teaching, The Oxford University Press, Nicol Road, Bombay Quarterly English. Subs Rs 2/8

Therapeutic Notes, Parke, Davis & Co, P.O. Box No 88, Bombay Quarterly, English

Times of India, Times Bldg, Hornby Rd, Fort, Bombay Daily, English Subs Rs 30

Trade Union Record, Bombay

Start a New Industry! Read MANUFACTURE OF RUBBER GOODS Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

"Variety," Post Box 693, Bombay. Weekly, All topics connected with trade, English, Subs. Rs. 6/-, Advt. Rate per page Rs. 20/-, Cir. all over India, No. of columns 3 to a page, Sunday.

Venkateshwar Samachar, 7th Khetwadi, Bombay. Weekly.

Vividh-Gnyan Vistar, Shri Laxmi Narayan Press, 364, Thakurdwar, Bombay 2. Monthly, Marathi, Subs. Rs 3.

Western India Automobile Association Magazine, Times of India Office, Hornby Road, Bombay. English, Monthly Motor Magazine

Yoga, Yoga Institute, Post Box 481, Bombay.

BROACH.

Broach Mitra Broach, Gujarati, Weekly, Subs. Rs 2/-

BUDAUN.

Zulquarnain, Budaun. Weekly, Urdu, Subs. Rs 4.

BURDWAN.

Burdwan Bani, Burdwan, Bengali.

Desh Priya, Burdwan, Weekly, Bengalee.

Sri Sri Gauranga Madhuri, Srikhanda, Burdwan.

BURMA.

Arakan News, Kazanchit Road, Akyab, Burma

Mandalay Magazine, 83, Street, Shanzun, Mandalay, Monthly.

Mandalay Times, Merchant St., Mandalay. Tri-Weekly.

"Naxatra," Merchant Street, Mandalay, Burma.

CALCUTTA.

A. A B, Magazine of Bengal, 46, Galstan Mansions, Park Str., Calcutta. Monthly, Eng. Official Organ of the Automobile Association of Bengal.

Abatar, Sitaram Ghosh Street, Calcutta. Weekly, Bengali.

Abhudaya, 309, Bow Bazar St., Calcutta. Monthly Bengali, As. 4 per copy.

Advance, 74, Dharamtala Street, Calcutta, Nationalist, Daily, Eng.

Advance Therapy, 164, Maniktala Road, Calcutta. English, Col. 7½" × 2 1-5", 2 to page, Quarterly.

Agragati, 49, Cornwallis Str., Calcutta. Bengali Monthly.

Agriculture & Live Stock in India, 3, Govt. Place, West, Calcutta. Bi-Monthly, Eng., Subs. Rs 6. Organ of the Imperial Council of Agricultural Research.

Aj-Kal, 124/1, Manicktola Street, Calcutta. Weekly, Bengali.

Al-Muslim, 47, Ripon St, Calcutta.

Amrita Bazar Patrika, 2, Ananda Chatterji Lane, Calcutta. Nationalist, English, Daily, Weekly & Bi-Weekly, Subs. Daily Rs 25/-, Weekly Rs 5/- & Bi-Weekly Rs 8/-. Advt Rate Rs 1/4/- per in. per insertion, Cir. All over India, Burma & Ceylon, Col. 21" × 13 ems, 7 to a page

Ananda Bazar Patrika, 1, Burman Street, Calcutta. Bengali, Subs. Rs 16 Adv, rate per inch Re. 1-4, Cir. in Bengal, Col. 22"×2¼", 7 to apge, Daily except Monday: also Bi-Weekly edition.

Archana, Parbutty Ghose Lane, Calcutta. Monthly, Bengali, Subs. Re. 1-8.

Arthik Unnati, 9, Panchanan Ghose Lane, Calcutta. Scientific Economic, Bengali, Subs. Rs 4-8, Adv. rate per page Rs 12, per Col. Rs. 6, per inch Rs 3, Cir. in India, England, France, Germany, Italy, Japan & U. S. A. Col, 8"×3", to page, Monthly.

Assam Review, 303, Bowbazar St. Calcutta. English Monthly, Subs. Rs 6/-. Advt. Rate per page Rs. 135/-. Circulation in Assam, Cachar, Sylhet, Dooars, Darjeeling. (Also Assam Directory).

B N. Ry. Magazine, Garden, Reach, Calcutta. English, Monthly.

Bandemataram, 59, Patuatola Lane, Calcutta, Bengali Daily.

Bangalakshmi, 60B, Mirzapur St., Calcutta. Monthly Bengali, Ladies' Journal Annual Subs. Rs 3/4. Rates of Advt. Rs 16 per page, Rs 9 half page, Rs 5 qr. page.

Start a New Industry! Read MANUFACTURE OF RUBBER GOODS. Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Bangasri, 56, Dharamtala St., Calcutta Bengali, Monthly.

Bangabasi, 6, Bhowani Ch. Dutt Str, Calcutta. Bengali weekly.

Bangiya Sahitya Parisad Patrika, 243-1, Upper Circular Rd, Cal. Monthly, Bengali.

"Baangla," Baangla Bhawan, 54, South End Park, Ballyganj, Calcutta.

Banik, 10, Bonfields Lane, Calcutta Monthly, Bengali. Ann. Subs Re 1.

Bartamann, 10, Brindaban Basak St, Calcutta Monthly Bengali

Basumati, 166, Bowbazar St, Calcutta. Daily, Weekly and Monthly, Bengali.

Batayan, 85, Bow Bazar Street, Calcutta

Bengal Co-operative Journal, Writers' Bldgs, Calcutta Quarterly, English Ann Subs Rs 3

Bengal Nagpur Railway Magazine, 26, Chowringhee, Calcutta Monthly, English

Bharata Mitra, 5, Panchi Dhopani Lane, Calcutta Independent Nationalist, Daily, Hindi Subs Rs 12

Bharat Lakshmi, 46, Nimu Gossami Lane, Calcutta Bengali, Monthly

Bharatvarsha, 203 1-1, Cornwallis Street, Calcutta General, Bengalee, Subs Rs 6-6, Advt rate per page Rs 30, per Col Rs 16, Cir in India, Specially in Bengal, Col 8¼" × 6", 2 to page, Monthly, First day of Bengali month

Bichitra, 27-1 Fariapukur St, Calcutta Monthly, Bengali, Literary Subs Rs 6

Bijali, 8 Dalhousie Esq Calcutta, Bengali Monthly, on Electricity, Subs Rs 3/8

Biswa-jamin, 32/1, Raja Dinendra Str, Calcutta Monthly, Bengali

Brahmavidya, 4-3A, College St., Calcutta Theosophical, Monthly, Bengali.

British Homeopathic World, 138/1, Cornwallis Street, Calcutta Monthly.

Buddhist India, 120, Harrison Rd, Calcutta Fortnightly, English.

Byabosha-o-Banijya, 9/3, Ramanath Majumdar Street, Calcutta Trade, Commerce, Agriculture, Industry and Insurance, Bengalee, Subs Rs 5/6/- Advt Rate Rs 20/- per page in advt. section and Rs 30/- in reading matter Circulated in Bengal, Bihar and Orissa Col 7½"×2½", 2 to a page, Monthly.

Calcutta Exchange Gazette & Daily Advertiser, 5, Mission Row, Calcutta Daily, English.

Calcutta Law Journal, 8, Old Post Office St, Calcutta Fortnightly, English Subs Rs 10/- Advt Rate Rs 120/- per annum

Calcutta Medical Journal, 62, Bowbazar St Calcutta, Monthly, English

Calcutta Municipal Gazette, Central Municipal Office, Calcutta, Official Organ of the Calcutta Corporation, English, Subs Rs 4 Adv rate per page Rs 25 to 40 according to position, Cir. in India England & America, Col 11" ×3" 2 to page, Weekly

Calcutta Review, Calcutta University, Senate House, Calcutta Academic English Subs Rs 12, Adv rate Rs 20 per page, Monthly.

Calcutta Weekly Notes, 3, Hastings St., Calcutta. Weekly, English

Capital, 1, Commercial Bldgs, Post Box No 14 Calcutta Commercial, Weekly, English

Chikitsa Chamatkar, 14, Madan Mohan Chatterjee Lane, Cal Monthly

Chikitsa-Jagat, 27C, Upper Circular Road, Calcutta Medical, Bengali Cum English, Subs Rs 3-6, Adv rate per page Rs 20, per Col Rs 12, Cir in Bengal, Bihar, Orissa & Assam, Col 6"×3", 2 to page, Monthly

Chikitsha Prokash, 197, Bowbazar St, Calcutta Bengali, Medical Subs Rs 3, Adv rate per page Rs 14, Cir in India, 2nd week of every month

Cinema Sansar 26-27, Chittaranjan Avenue North, Calcutta

New careers await you! Read MECHANICAL INDUSTRIES, Re 1-8 Industry Book Dept., Shambazar, Calcutta.

City Exchange Gazette, 157/B, Dharmatala Street, Calcutta.

Clive Street, 14, Clive Street, Calcutta. Bengali, Commerce, Monthly, Subs. Rs 8/8.

Commercial Education, Isa House, P.254, Rash Behari Avenue, Calcutta. Subs Rs 3/-.

Commercial Gazette, 2, Royal Exchange Place, Calcutta. Weekly, English, Subs. Rs 15

Commercial & Technical Journal, 26, Chowringhee, Calcutta. (Issued by the Bengal Nagpur Ry Quarterly in January, April, July, October).

Desh, 1 Burman St, Calcutta Bengali Weekly, Pub every Saturday. Subs Rs 5, Advt rate per Column inch Rs 3, Cir in India among Bengalee speaking population Column 9½"×3½", 2 to page.

Deepali, 123-1, Upper Circular Road, Calcutta Bengali & English Weekly

Dundubhi, Raja Guru Das Road, Calcutta. Bengali Weekly.

E B Ry Magazine, 3, Koilaghat St, Calcutta English Monthly

E B. Ry Labour Review, 133, Lower Circular Road, Calcutta Monthly, English, Subs Re 1

Financial Observer, 2, Royal Exchange Place, Calcutta. Fortnightly review of trade, finance and insurance Ann Subs. Rs 6/-.

E I. Ry. Stores Bulletin, 105, Clive Street, Calcutta. English, Weekly.

East Indian Railway Supplement, Fairlie Place, Calcutta Published by Agts. of E. I Ry, English, Monthly.

Education Gazette, 13A, Manicktala Street, Calcutta. Progress of education, Bengalee, Subs Rs 3/-, Advt. Rate per page Rs 25/-, per Col Rs 10/-, per Inch Re. 1/-, Circulated in Bengal, Bihar, Orissa, The Punjab, Nepal & Burma. Col 12"×2½", 3 to a page Weekly, published on Fridays

Filmland, 31, Ashutosh Mukherji Rd., P.O. Elgin Rd, Calcutta Cinema Matters, English, Subs Rs 6 (Inland) Adv. rate per page Rs 25, per Col. Rs 10, per inch Rs 2, Cir. in India and abroad, Col. 9" × 2", 3 to page, weekly every Saturday.

Financial Times, 16A St. James Sq, Calcutta. Monthly. Devoted to Trade, Industry & Finance. Ann. Subs Rs 6

Forward, 92, Upper Circular Road, Calcutta. Daily newspaper.

Galpa Lahari, 8, Radha Madhab Gosain Lane, Calcutta Bengali Story journal, Monthly

Gaudiya, Sree Gaudiya Math, 16A, Kaliprosad Chakraverty St., Calcutta. Vaisnava Religion, Bengali Subs Rs 3 Adv rate per page Rs 250, per Col. Rs 140, per inch Rs 25 Cir throughout India Col 18 ems Weekly, Saturday

Grihastha Mangal, 69, Mirzapur St, Calcutta. Monthly, Bengali

Gulista, 51, Dharamtala Str. Calcutta Monthly, Bengali

"Hahnemann," 165, Bowbazar Str, Calcutta. Homeopathic Bengali, Subs. Rs 3/-, Adv. rate per page Rs 8/- Cir in Bengal, Bihar & Assam Col 7" × 4", 1 to page, Monthly

Hahnemanner Bance 162, Bowbazar St, Cal Bengali Monthly

Hahnemannian Gleanings, 165, Bow Bazar St., Calcutta. Homoeopathic, Monthly, English, Subs. Rs 3/- Adv. rate per page Rs 8/-, Cir in India, Burma & Ceylon, Col 6½" × 4", 1 to page.

Hanafi 42, Upper Circular Road, Calcutta Weekly, Bengali, Subs. Rs 3 Nationalistic Moderate Muslim Size 20" × 15".

Harmonist, Sree Gudiya Math, Bagh Bazar, Calcutta Fortnightly, English

Health & Happiness, 15, Amherst St, Cal Monthly, English.

Hindi Punch, 84, Upper Chitpur Road, Calcutta

Hindu Mission 32B, Harish Chatterjee Str., Calcutta Monthly Eng.

Hitabadi, 70, Colootola St, Calcutta Weekly, Bengali

Homoeopathic Bulletin, 3-2, College Street, Calcutta

New careers await you! Read MECHANICAL INDUSTRIES, Re. 1-8. Industry Book Dept., Shambazar, Calcutta.

Homeopathic Mirror and Homeoparthic Darpan, 172, Bowbazar St, Calcutta Monthly, Bengali & English

Homeopathic Progress, 55, Peary Mohan Sur Garden Lane, Belliaghata, Calcutta Bi-monthly Bengali and English

Illustrated India, Bow Bazar Str, Calcutta

Income Tax Gazette 9, Clive Row, Calcutta Monthly, English

Indian Medical Record, P7, Taltola Avenue, Calcutta Monthly Medical, English Subs Rs 7/8/, Advt Rate per page Rs 45/ Cir throughout India & abroad, Page ½ Demy No of columns 2 to a page

India Monthly Magazine 20, British Indian Street, Calcutta English, Monthly

India & The World, India Bureau, 283, Park Circus Calcutta Monthly, Eng Ann Subs Rs 2/

India To Morrow 431D, Suburban School Road Bhowanipur, Calcutta Fornightly, English Ann Subs Rs 4/-

Indian Aviation, 13, Ezra Mansions, Cal Eng Monthly Subs Rs 5 published 15th of each month

Indian Cycle & Motor Journal, 120 2 Upper Circular Rd, Cal

Indian Culture The Indian Research Institute, 55 Upper Chitpur Road Calcutta Quarterly English

Indian Dental Journal, 121-1, Esplanade, Calcutta English Quarterly

Indian Electrical Times, 25, Swallow Lane, Calcutta Monthly English

Indian & Eastern Engineer, Stephen House, Dalhousie Sq, Calcutta Monthly

Indian & Eastern Motors, 5, Mission Row, Calcutta English

Indian & Eastern Railways, 6, Mangoe Lane Calcutta English, Monthly

Indian Economist, 3/1A, Raja Bagan Str, Calcutta, Trade Industry and Finance, Weekly, Subs Rs 24

Indian Engineering, 300, Bow Bazar Street, Monthly, English (Technical)

Indian Finance, 20, British India St, Calcutta Economic & Financial, Weekly, English, Subs Rs 24, Col 11¼"×3¼", 2 to page

Indian Historical Quarterly, 9, Panchanan Ghosh Lane, Calcutta English, Quarterly, Subs Rs 8-12

Indian Homoeopathic, Review, 203-1, Cornwallis St, Calcutta

Indian Insurance Journal, 8, Canning Street Calcutta Monthly English, Subs Rs 5

Indian Journal of Medical Research, Kasauli

Indian Journal of Medicine, 82 3, Cornwallis St, Calcutta English, Bi monthly

Indian Journal of Veterinary Science & Animal Husbandry 3, Govt Place West, Calcutta

Indian Medical Gazette School of Tropical Medicine Chittaranjan Avenue, Calcutta Monthly Subs Rs 16

Indian Medical Record, 2 Hori kumar Tagore Sqr, Calcutta Monthly English, Subs Rs 7 8, & Rs 5-4 for juniors

Indian Print & Paper, Chartered Bank Bldgs, Calcutta Quarterly, English

Indian Railway Gazette, 13, Ezra Mansions, Calcutta English, Monthly

Indian Soap Journal, 10, Clive Row, Calcutta Ann Subs Rs 6

Indian Wireless Journal 52-1-1 College Str, Calcutta Monthly English

Industrial Insurance, 25, Tarak Chatterjee Str, Calcutta Bengali monthly on insurance Ann Subs Rs 2

Industry, 22, R. G Kar Rd, Shambazar, Calcutta Industrial Monthly. English. Subs. Rs 4 Advt rate per page Rs 40 Col 8" × 2½" 2 to page.

Institution of Engineers (India) Journal & Bulletins Post Box No 669, Calcutta English annual & quarterly bulletins

There is lot of money in Confectionery making. Read MANUFACTURE OF CONFECTIONERY, Re. 1-8. Industry Book Dept.

Insurance & Finance Review, 14, Clive Street, Calcutta Nationalist, English, Subs Rs 6, Adv rate per page Rs 40, per Col Rs 20, per inch Rs 4, Cir, in India, Burma, Ceylon, England, Germany, America, Italy, etc First week of every month

Insurance Herald, 2, Royal Exchange Place, Calcutta Monthly, to propagate Insurance ideas, English, Subs Rs 5 Advt Rate per page Rs 40/ Cir India, Burma, Ceylon & Abroad

Insurance World, 1/1, Dalhousie Sqr, Calcutta Ann Subs Rs 5/-

Jagaran, Kustea, Nadia, 27, Musalmanpara Lane, Calcutta

Japanese Trade Bulletin, Indo Japanese Mercantile Association 15, Clive Street, Calcutta Monthly, English

Jnmabhumi, 39 Manick Bose's Ghat Street Calcutta Orthodox Hinduism Bengali, Subs Rs 2 Adv rate per page Rs 4, per Col Rs 2, per inch /8/

Jechon Beema, 7 Dina Bandhu Lane Calcutta Insurance Magazine Monthly Bengali, Subs Rs 2, Cir in Bengal

Journal of the Association of Engineers, 20, Strand Road, Calcutta Quarterly, English

Journal of Ayurveda, 2, Horokumar Tagore Sqr, Calcutta Monthly, English & Sanskrit, Subs Rs 10 and Rs 5 for juniors

Journal of the Bengal National Chamber of Commerce, 2 Royal Exchange Place, Calcutta Quarterly, English

Khoyali, 9 Rammaya Rd, Bhowanipur, Calcutta Weekly, Ben

Krishi, 2, Sashi Bhusan Dey Str, Calcutta Monthly, Bengali

Krishi Lakshmi, 25 Ramdhan Mitter Lane, Carlcutta Monthly, Bengali

Landholders' Journal 2/6, Cornwallis Street, Calcutta Eng Monhly Ann Subs Rs 10

Labour, 5, Noor Muhammad Lane, Calcutta Monthly, English

Lokamanya, 160, Harrison Road, Calcutta Daily, Hindi

Mails India, voice of the R M S. India, 209, Cornwallis Street, Calcutta Monthly, Bengali.

Marmabani, 32, Upper Circular Rd, Calcutta, Bengali, Daily

Martin Burn House Magazine, 12, Mission Row, Calcutta English, Monthly

Modern Review, 120 2, Upper Circular Road, Calcutta Monthly, English Subs Rs 8 8

Modern Student, 60/3, Dharamtala Street, Calcutta Monthly, Educational, English Subs Rs 3/8/-, Advt Rate per page Rs 30/, per col Rs 15/-, Cir throughout India & Burma, Col 7¼" × 2¼" inches, 2 to a page

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Mouchak, 15 College Str, Cal Children's Monthly Bengali

Muslim Review 21 Wellesley Sq, Calcutta

Mussalman 249, Bow Bazar St, Calcutta Weekly, English

Nagarik, P O, Box 10 Calcutta

Navachetan, 25, Pollock St Calcutta Gujarati Monthly, Subs Rs 6 6

Navasakti, 11/5, Karaya Bazar Rd, Park Circus Calcutta Weekly, Bengali

New Review Macmillan & Co Ltd, 294, Bow Bazar Street, Calcutta Subs Rs 12/- Monthly, English

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Oriental Traveller's Gazette, C/o Thomas Cook & Son Ltd, Cal

Parichaya Bharati Bhavan, Calcutta Bengali, Quarterly

Photo Play, 12, Ram Chandra Mallick Lane, Calcutta Weekly, English

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The Bengal Insurance & Real Property Co., Ltd., declared at its last valuation a Bonus of Rs. 16 per 1000 per annum on Whole Life Policies

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Prajarkatha 11, Durgapur Lane Alipur Bengali

Prakriti 50, Kailash Bose St, Calcutta Bi monthly Bengali

Property, Tower House, Calcutta

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Science and Culture, 92, Upper Circular Road Calcutta Monthly devoted to Industry and National Welfare

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Sisir 197, Cornwallis St, Calcutta Weekly Bengali

Sisu Sathi, 5, College Sqr, Cal

Sonar Bangla 1 2A, Prem Chand Boral St Calcutta Bengali Monthly

Sramik 2/2, Baghbazar Str, Cal

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Tisco Review, 100, Clive Street, Calcutta Anglo Hindi Monthly, Subs Rs. 5

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Malabar Islam, Mattancheri. Cochin, Weekly.

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"Kumara" 48, Nallikara St., Big Conjeeveram, S. I. Monthly. Tamil.

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Rayat Bandhu, Comilla. Monthly. Bengali.

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Orissa Mission, Cuttack.

Pallimangal, Katgarsahi, Cuttack. Monthly, Oriya.

Paramarthi, Sree Sachchidananda Math, Bansgali, Ariya Bazar, Cuttack. Propagation of Suddha Gaudiya Vaishnavism. Oriya, Subs. Re. 1-8.

Vaitarani, Cuttack. Monthly. English.

DACCA.

Banglar Bani, 40, Kaltabazar, Dacca. Bengali, Weekly.

Dacca Prakash, 292, Bangla Bazar, Dacca.

Dipika, 9-1, Wiseghat Road. Dacca. Monthly, Bengali.

East Bengal Times, P. O. Wari, Dacca. Weekly, Independent, English, Subs. Rs. 4. Advt. Rate per page Rs. 70, per col. Rs. 20, per inch -/10/-, Cir. in E. Bengal & Assam, column 16 × 2½ inches. 4 to a page, Saturday.

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Pallimangal, Narayanganj, Dacca. Bengali.

Panchayet, Dacca. Weekly, Bengali.

Papiya, 18 3, Armanitola Lane. Dacca. Monthly, Bengali.

"Santi," Bengali Monthly, Rupial House, Dacca. 11 years' Standing.

Shakti, Shakti Niketan, Sutipara, Dacca. Monthly. Bengali.

Sonar Bangla, 1, Srish Das Str., Bangla Bazar, Dacca. Weekly, Nationalist, Bengali, Subs. Rs. 4. Advt. Rate per page Rs. 19, per col. Rs. 6. per inch -/10/-. Cir. throughout East Bengal column 12" × 16 ems. 3 to a page.

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Universal Advertiser, 33. Dinanath Sen Rd., Faridabad, Dacca.

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Balak, Laheriasarai, Darbhanga. Boy's Monthly in Hindi.

DARJEELING.

Darjeeling Times & Planter's Gazette, Darjeeling.

Indian Poultry Gazette, Carmichael Court, Darjeeling, Monthly, English.

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Al-Khalil, Juma Masjid, Delhi. Tri-Weekly, Urdu, Subs. Rs 8.

Arjun, Delhi. Daily, Hindi.

Children's News, Egerton Road, Nai Sarak, Delhi. Nationalist, English, Subs. Rs 2-8, Adv. rate per page Rs. 20, per Col. Rs 12, per inch Rs 2, Col. 10" × 3", 2 to a page, Monthly.

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Dinajpur Patrika, Dinajpur, Bengali

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